STUDY PROGRAMME ACCREDITATION MATERIAL:

# SAFETY AT WORK

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

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| | |
|---|---|
| Programme name | Safety at Work |
| Independent higher education institution where the programme is being executed | University of Novi Sad |
| Higher education institution where the programme is being executed | Faculty of Technical Sciences |
| Educational-scientific/educational-art field | Technical-Technological Science |
| Scientific, proffesional or art field | Environmental and Occupational Safety Engineering |
| Type of studies | Undergraduate Academic Studies |
| Study scope, expressed in ECTS | 240-244 |
| Academic degree, abbreviation | Bachelor with Honours in Occupational Safety Engineering, B.Occ.Saf.Eng. |
| Study length | 4 |
| Programme implementation starting year | |
| Future course implementation starting year (for new programme) | 2009 |
| Number of students attending this programme | 93 |
| Planned number of students to be enrolled in this programme | 160 |
| Programme approval date (state the approval issuer) | 14.11.2012 - Science Education Council<br>29.11.2012 - University of Novi Sad Senate |
| Programme language | Serbian, English |
| Programme accreditation year | 2010 |
| Web address containing programme information | http://www.ftn.uns.ac.rs |

## Standard 00. Introduction

The study programme of the undergraduate academic studies in Occupational Safety Engineering is designed as a highly interdisciplinary and multidisciplinary study programme. The programme of the undergraduate studies in Occupational Safety Engineering is comprised of educational and research fields of the engineering profession, thus forming the curriculum which represents the interdisciplinarity of the programme. In the realization of the programme, curriculums in occupational safety with an emphasis on environmental engineering, mechanical engineering, power engineering, electrical engineering, management, civil engineering and basic scientific disciplines of mathematics, chemistry, physics and others are studied, thus completing the multidisciplinary image of the study programme in Occupational Safety Engineering.

The interdisciplinary approach to occupational safety at the Undergraduate Academic Studies is of great significance for the recognition of the importance of safety considerations, its acknowledgment and building the high level of safety culture and awareness in the workplace.

Occupational Safety Engineering is a programme which resulted as an answer to the individual, state, social, industrial, economic and institutional needs facing the issues of occupational safety and needing the occupational safety engineers with an interdisciplinary knowledge in this field. The concept of the study programme enables students to acquire knowledge and recognize issues of the occupational safety on time and to act on them both globally and locally in order to eliminate them. By studying these problems, as well as the new forms of endangering occupational safety, students can better understand concepts, systems and functions of the modern safety, keeping in mind that the safety of people, countries, international communities is very complex and brings many challenges. Such concept of the study programme of the undergraduate academic studies contributes to the development of civil society in terms of occupational safety (general, national, individual), environmental and population protection from the natural disasters and chemical accidents, health and social protection, defence from the modern forms of endangerment and management of human and social resources with the orientation on the interdisciplinary approach.

Standard 01. Programme Structure

The title of the study programme of the undergraduate academic studies is Occupational Safety Engineering. The acquired academic title is Bachelor 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 prerequisite for the enrolment is completed four-year high school and the passed enrolment examination. Enrolment examination is taken in mathematics and preference test (it is valued max. 60 points) and is considered to be passed if the candidate wins at least 14 points.

There is one study group at the undergraduate studies lasting four years: Occupational Safety Engineering. After enrolling the fourth year, students have a choice of elective courses besides obligatory courses, which they can choose from based on their personal preferences. The difference in the contents of the elective courses enables students to gain detailed knowledge in the course related field.

Obligatory courses, as well as elective courses are defined based on the dominant, identified problems of occupational safety in industry, economy and sciences, for sustainable solution of serious and accumulated problems in the working environment in our country, region and globally, as well as based on the experience of the similar study programmes in the EU countries and other world countries.

Elective courses are chosen from the group of suggested courses, but students have the possibility to choose one of the courses from the FTN, UNS or some other University in the country or abroad according to their personal preferences and with the professor approval.

The course consists of lectures and practice. 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 factories or other institutions.

Groups are determined depending on the Practice character. 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 240 ECTS in the process.

Power Point presentations from the lectures and practice can be found at the faculty website: http:/www.ftn.ac.yu/_data/nastava/ and the Department website: www.izzs.ns.ac.yu

## Standard 02. Programme Objectives

The purpose of the Study Programme is the education of students for the profession of Bachelor in Occupational Safety Engineering in accordance with the needs and the development of the country and with very complex engineering problems in the working environment which have to be solved with an objective of social and sustainable development.
The programme contents of these studies enable students to acquire and adopt wider spectrum of interdisciplinary knowledge and skills in the field of emergency situation management and risk management in the field of environmental protection and occupational safety. These programme contents enable education of highly professional staff who will be working on the complex multidisciplinary tasks of occupational safety.
The Study Programme Occupational Safety Engineering 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 technical sciences and engineering. The purpose of the Study Programme of Occupational Safety Engineering is completely in accordance with the basic objectives and goals of the Faculty of Technical Sciences.
Graduated engineers of Occupational Safety Engineering – Bachelors 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 Occupational Safety Engineering. Besides others, students are able to develop creative engineering abilities in considering problems of occupational safety and the ability of critical and analytical thinking, the development of teamwork skills, cooperation and communication skills, and the mastering of specific practical skills necessary for optimal professional work.
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) in order to create a real image about processes happening in industrial systems and environment as well as in the classical and specialized engineering disciplines with an emphasis on the occupational safety in mechanical engineering, electrical engineering, programming and application of professional scientific disciplines in the filed of occupational safety. The objective is to enable future occupational safety engineers to carry out projects in this field and to acquire the licence from the authorities.
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 (long life learning 3L), the development of a society in general and the occupational safety. The objective of the study programme is also to educate experts in the domain of the teamwork, while developing the ability to present results to the professional and wider public.

Standard 04. Graduates` Competencies

Graduate students of the undergraduate academic studies in Occupational Safety Engineering are competent and qualified to solve real problems in the practice, as well as to continue education if they decide so. 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 advantages and disadvantages of the chosen solution.

When it comes to the specific capabilities of students, mastering the study programme of the undergraduate 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. Considering the interdisciplinary character of the study programme of Occupational Safety Engineering it is especially important to gain the ability of connecting fundamental and technical disciplines, holistic approach and the basic knowledge in different fields and their application. Graduated students of Occupational Safety Engineering 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 for the application of knowledge in the practice and anticipation and application of the novelties in practice, as well as solving problems at all levels in cooperation with local social and international environment.

Students are enabled to design projects, organize and manage occupational safety. During their education, students acquire knowledge to independently plan and carry out experiments of statistical data processing as well as to define and make specific, real and applicable conclusions.

During the study programme ability to work in a team and to develop professional ethics is especially nourished and developed in students.

Standard 05. Curriculum

The curriculum of the undergraduate academic studies in Occupational Safety Engineering is designed for the purpose of achieving defined goals and competencies. The structure of the curriculum is defined with 15% of academic general courses, ca. 20% of theoretical-methodological courses, about 35% of scientific-professional courses, and about 30% of professional-applicative courses out of the total number of the study programme points.

Elective courses are also present with at least 20% of the ECTS credits. Besides this classification, the study programme of Occupational Safety Engineering, which comprises of these courses, can also be divided into the following groups:

-the group of courses in fundamental engineering disciplines (mathematics, chemistry, biology, mechanics),

-the group of courses in mechanical engineering, power engineering, civil engineering, management

-the group of courses with the narrow professional orientation in solving specific problems in health and safety at work.

The first three years represent basic, general and common education of the students at the educational study programme in Occupational Safety Engineering, while after the third year students attend courses with the narrow professional orientation in solving specific problems in the field of occupational safety.

In the fourth year, specific problems in Occupational Safety Engineering are concretized based on the course characteristics. During the fourth year there are obligatory and elective courses. Through elective courses, students meet their affinities profiled during the first three years of studies in cooperation with the professors.

All courses last one semester and carry certain number of ECTS credits. The course order in the curriculum is in a logical order of knowledge necessary for the next course and is acquired in the previously realized courses.

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 Occupational Safety Engineering is a professional practice and practical work of 120 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 bachelor thesis, which consists of theoretical and methodological preparation necessary for in-depth understanding of the chosen field for writing bachelor thesis paper.

Prior to the defence of the paper, a candidate has to pass the theoretical and methodological foundations in front of the bachelor thesis mentor. The final assessment of the bachelor thesis is performed on the basis of the passed theoretical and methodological preparation and elaboration evaluation and defence of the thesis itself. Bachelor thesis is defended before a committee consisting of at least three professors.

Table 5.2 Course specification

| Course: | | Introduction and Principles of Occupational Safety |
|---|---|---|
| Course id: | ZR101 | |
| Number of ECTS: | 8 | |
| Teachers: | | Hadžistević J. Miodrag, Štrbac D. Dragana |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Educational objective of the course is to introduce students to the basic principles of health and safety at work and to the importance of their application as a basic prerequisite for the realization of all safety, health, ethical and economics rights and benefits for each individual as well as for the enterprise. During the lectures students are introduced to the basic concepts in the field of health and safety at work, as well as with the importance of the strict compliance with the existing regulations in the field. The necessity of the occupational health and safety system establishment is elaborated, elements of the system are described and the way of its establishment is explained, as well as its constant development over time. Students are introduced to the role of the Government, Union of Employers and Employee Syndicate whose close cooperation represents the foundation of success in the implementation of the health and safety at work system on the state level.

2. Educational outcomes (acquired knowledge):

After this course students will have acquired basic knowledge about the importance and principles of occupational health and safety. They will be able to recognize these principles and to adhere to them within the real business environment. They will be introduced to the role of all stakeholders in implementation of the occupational health and safety system, thus acquiring necessary knowledge for implementation of the system in the enterprises. Students will be introduced to the importance of education of the wider population with an objective to achieve adequate level of awareness of the individuals, as a basic prerequisite for achieving the safe working environment. Students will also be introduced to the basic regulations in the field of occupational health and safety derived from European Union directives, conventions of International Labour Organization and International Organization for Standardization.

3. Course content/structure:

Systems and system elements. Organizational system and the enterprise. Basic elements of the systems and working processes in the enterprise. Technical-technological processes in the enterprise and process characteristics. Basic concepts in the field of occupational health and safety; Importance of the safe working place and working environment; Occupational health and safety principles; Basic elements of occupational health and safety; Protection aspects of occupational health and safety – health, ethical and financial; System of occupational health and safety in the Republic of Serbia; Establishment of the occupational health and safety systems as an European integration process; Process of stabilization and association to the EU; International legal sources in the field of occupational health and safety; European Union Directives; Conventions of the International Labour Organization; Legal regulations of the Republic of Serbia in the field of occupational health and safety; International standards in the field of occupational health and safety; Examples of good practice.

4. Teaching methods:

Teaching method is based on the multimedia lectures and practice. During the lectures the framework of the problem is presented and facts and theoretical approach are analyzed, while the practice is in the interactive form and it is realized through practical work within the laboratory practice. Teaching method includes at least forty percent of the time devoted to the active participation of students, work in a laboratory and visits to the production and service organizations.

| Knowledge evaluation (maximum 100 points) | | | | | |
|---|---|---|---|---|---|
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Jeremy Stranks | The Health & Safety Handbook | Kogan Page Limited, 120 Pentonville Road, London, United Kingdom | 2006 |
| 2, | John Ridley, John Channing | Safety at Work | Butterworth-Heinemann An imprint of Elsevier Linacre House, Jordan Hill, Oxford OX2 8DP | X |
| 3, | Dragutin Stanivuković, Morača Slobodan, Vulanovic Srđan | Skripta: Uvod i principi bezbednosti i zdravlja na radu | FTN, Mašinski fakultet u kragujevcu | 2009 |
| 4, | Zakon | Zakon o bezbednosti i zdravlju na radu | Sl. glasnik R. Srbije broj 101/2005. | 2005 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 5, | X | OHSAS 18001:2007 – Occupational Health and Safety Assesment System | British Standard Institute | X |

Table 5.2 Course specification

| Course: | | Chemistry in Engineering |
|---|---|---|
| Course id: | Z153 | |
| Number of ECTS: | 4 | |
| Teachers: | | Kiurski S. Jelena, Radonić R. Jelena, Turk-Sekulić M. Maja |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introducing students of technical profession to the basic principles and chemistry laws.

2. Educational outcomes (acquired knowledge):

Acquiring basic knowledge in the field of general and inorganic chemistry and understanding all the processes and phenomena of chemical reactions in the technical sciences.

3. Course content/structure:

Mole, Molar mass. Absolute mass of atom and molecule. Molar volume. The ideal gas equation. Chemical reactions, stoichiometry. Classification of elements and periodic table of elements. Basic chemical laws. Structure of pure substances. Structure of atoms. Atomic energy levels. Periodicity of the element properties in PT. Structure of molecules. Chemical bonds. Intermolecular bonds. Chemical symbols, formulas and equations. Dispersed systems. Solutions. Types and characteristics of inorganic compounds. Oxidation reduction processes. Chemical kinetic. Catalysts. Chemical equilibrium. Electrolyte dissociation. Dissociation of water. pH value. Corrosion. Corrosion processes and corrosion protection. Combustion processes. Toxicology of inorganic compounds.

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Laboratory exercise defence | Yes | 20.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | M. Vojinović Miloradov, M. Turk Sekulić, J. Radonić | HEMIJA (interna skripta) | FTN, Novi Sad, | 2011 |
| 2, | M. Vojinović Miloradov et al. | RADNA SVESKA, Praktikum sa uputstvima za vežbe iz predmeta INŽENJERSKA HEMIJA | FTN, Novi Sad | 2012 |
| 3, | O. Stojanović, N., Stojanović, Đ. Kosanović | ŠTETNE I OPASNE MATERIJE | Rad, Beograd | 1995 |
| 4, | I. Filipović, S. Lipanović | OPĆA I ANORGANSKA KEMIJA I, II (odabrana poglavlja) | Školska knjiga, Zagreb | 1991 |
| 5, | S. Arsenijević | OPŠTA I NEORGANSKA HEMIJA (odabrana poglavlja) | Naučna knjiga, Beograd | 1998 |
| 6, | G. W. vanLoon and S. J. Duffy | Environmental Chemistry | Oxford University Press Inc., New York | 2011 |
| 7, | P. Monk | Maths for Chemistry | Oxford University Press Inc., New York | 2006 |
| 8, | P. Vollhardt and N. Schore | Organska hemija | Data status, Beograd | 2004 |

Table 5.2 Course specification

| | |
|---|---|
| Course: | Selected Chapters in Physics 1 |
| Course id: Z103 | |
| Number of ECTS: 4 | |
| Teacher: | Satarić V. Miljko |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in physics. The course objective is to introduce students to the basic physical principles and laws necessary for the process analysis and phenomena in environmental engineering. Acquired knowledge is a necessary basis for further studying and reading the professional literature.

2. Educational outcomes (acquired knowledge):

Acquired knowledge enables understanding of the basic physical principles serving in the measurement and analysis of the living environment state. The knowledge of theoretical basis of selected chapters in physics relevant for environmental engineering, as well as practical basis of the measurement and understanding of physical results.

3. Course content/structure:

Theoretical lectures: 1) Basic concepts of kinematics and dynamics of translational and rotational motion. Newton`s laws of dynamics. Conservation laws of momentum, angular momentum and energy. Newton`s law of gravity, cosmic speed. 2) Basic laws of statics and fluid dynamics: pressure dependence of the depth of fluid; Pascal`s law; Bernoulli`s equation. 3) Fundamentals of Thermodynamics of ideal gases: First and second law of thermodynamics; Carnot cycle; Internal combustion engine; Boltzmann statistics and its impact on the environment. 4) Mechanical waves: characteristics of sound; Intensity; Standing waves and resonance; Ultrasound and applications. Practical training (experimental and computing practice): experiments done during the practice follow theoretical lecture, as well as computing practice, thus contributing to the better understanding of the theoretical knowledge, as well as deepening the knowledge.

4. Teaching methods:

Lectures, Computing Practice, Laboratory Practice and Consultations. The knowledge is checked during laboratory practice and final examination. The examination may be taken through two colloquiums where each represents a logical whole. Both colloquiums are taken in the written form. Colloquiums are held during semester when the lectures are carried out. Students who don`t take the examination through colloquiums have to take the entire examination consisting of the written and oral part. Written part of the final examination is eliminatory. Oral part of the final examination is eliminatory.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Laboratory exercise defence | Yes | 20.00 | Written part of the exam - tasks and theory | Yes | 35.00 |
| Lecture attendance | Yes | 10.00 | Oral part of the exam | Yes | 35.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | M. Satarić | Fizika (Termodinamika i talasno kretanje) | FTN | 1995 |
| 2, | Grupa autora sa FTN-a | Zbirka rešenih zadataka iz fizike I deo | FTN | 2004 |
| 3, | Grupa autora sa FTN-a | Zbirka rešenih zadataka iz fizike II deo | FTN | 2005 |
| 4, | Grupa autora sa FTN-a | Praktikum laboratorijskih vežbi iz fizike | FTN | 2004 |

Table 5.2 Course specification

| Course: | Mathematics 1 |
|---|---|
| Course id: Z104 | |
| Number of ECTS: 6 | |
| Teachers: | Adžić Z. Nevenka, Grbić P. Tatjana, Lukić J. Tibor, Nikolić M. Aleksandar |
| Course status: | Mandatory |

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in advanced mathematics and enabling students to apply acquired knowledge in other general and professional courses. Development of the ability of logical thinking, data analysis and making conclusions based on the data analysis results.

2. Educational outcomes (acquired knowledge):

Basic knowledge in advanced mathematics. Enabling students to independently use acquired mathematical knowledge in professional courses. Developed abstract and logical thinking and the ability to make conclusions based on the data analysis.

3. Course content/structure:

Complex numbers. Vectors, scalar and vector product, application in mechanics. Analytical geometry in space, line, surface and interrelationships. Determinants and systems of linear equations. Polynomials and rational functions. Bezout`s theorem. Number sequences. Limit of a function. Derivatives. Graph of a function.

4. Teaching methods:

Lectures and Practice. Colloquiums during semester, examination (problems and theoretical test) at the end of the semester. Lectures are held in a combined manner. During lectures theoretical part of the course is presented and followed by typical examples for better understanding. During practice, which accompanies lectures, typical problems are solved and the knowledge from lectures is deepened. Besides lectures and practice, consultations are held on a regular basis. A part of the course, which represents a logical whole, may be taken during the teaching process in the form of a colloquium. During the teaching process homework assignments are given and student can solve them independently or in a group.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Nevenka Adžić | Matematika za Arhitektonski odsek i srodne struke | FTN | 2006 |
| 2, | Jovanka Nikić, Lidija Čomić | Matematika jedan, deo 1 | FTN | 2005 |
| 3, | Nevenka Adžić | Zbirka rešenih zadataka iz matematike za Arhitektonski odsek | FTN | 1998 |
| 4, | Tatjana Grbić | Zbirka rešenih zadataka iz Matematike 1 | FTN | 2001 |

Table 5.2 Course specification

| | |
|---|---|
| Course: | Electrical Engineering, Environment and Protection |
| Course id: Z107 | |
| Number of ECTS: 6 | |
| Teachers: | Grabić U. Stevan, Juhas T. Anamarija, Katić A. Vladimir, Prša A. Miroslav |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The course objective is to study basic concepts about time constant and time variable electrical currents, about electricity and electrical properties of materials. Besides, the objective is to present the way of operation of electrical energy system and electric machines (ways of operation, principles, types etc.), as well as the possibility of their application in the modern electric motor drives, that is, in the systems of environmental protection (removal of smoke and harmful gasses, removal of waste waters, transport of hazardous materials etc.). The objective is to present phenomena which have an impact on the electric environment and the living environment due to PES operation and electric consumers, as well as the modern standards and methods of protection.

2. Educational outcomes (acquired knowledge):

Students will be able to understand basic concepts about time constant and time varying electric currents. They will master the concepts about electricity and electric properties of materials. They will be able to understand the way of operation of power electric systems and their main consumers (electric machine etc.). They will be able to apply modern electric machines and electric motor drives in the environmental protection systems (removal of smoke and harmful gasses, removal of waste water, transport of hazardous material etc.). They will understand the phenomena which have an impact on the electric environment and the living environment and will be able to apply modern standards and methods of protection.

3. Course content/structure:

Basic concepts about electric energy. Direct current. Alternating current. Principles of solving electric networks. Organization of the modern power electric system – Production, transmission and consumption of electrical energy. Electric environment, electric machines. Principles of electromechanical energy conversion- Types of electric machines, basic elements and characteristics. Transformators. Rotational electric machines. Alternating machines. Asynchronous machines – squirrel cage and wound rotor motors. Direct machines. Synchronous machines. Negative impact of electric energy – radiation and conducted disturbances. Electric environment – Impact on other devices, impact on living beings. Electromagnetic field of transmission line, transformators and switchyards – standards and recommendations. Methods of protection.

4. Teaching methods:

The course will be lectured through presentation of theoretical principles during lectures, by solving adequate problems during auditory practice and by practical work in the laboratory and in the plants (demonstrations and practice).

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Laboratory exercise attendance | Yes | 5.00 | Final exam - part one | Yes | 20.00 |
| Lecture attendance | Yes | 5.00 | Final exam - part two | Yes | 20.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 30.00 |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Miroslav Prša | Osnovi elektrotehnike za studente neelektrotehničkih fakulteta | Stylos | 1995 |
| 2, | Levi, E., Vučković, V., Strezoski, V | Osnovi Elektroenergetike | Stylos - FTN | 1997 |
| 3, | Miroslav Prša, Laslo Juhas | Osnovi elektrotehnike - zbirka zadataka za studente neelektrotehničkih fakulteta | FTN Izdavatštvo | 2001 |

Table 5.2 Course specification

| Course: | | Energy and the environment |
|---|---|---|
| Course id: | Z105A | |
| Number of ECTS: | 7 | |
| Teachers: | | Mihajlov N. Anđelka, Štrbac D. Dragana |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introducing students to conventional power plants and their impact on the environment, as well as the basic principles of environmental pollution conditioned by energy transformations. The aim is to enable students to identify potential contamination in conventional plants for energy transformation and to select a protection system. Furthermore, the goal is, while getting the students familiar with the conventional resources, to develop awareness of the importance of non-conventional and alternative energy resources. This knowledge is the basis for further successful studies, reading professional literature, as well as an understanding of some of the biggest environmental problems, which are related to conventional energy resources and energy efficiency.

2. Educational outcomes (acquired knowledge):

Knowledge gained from the issues energy exploitation and environmental pollution. Ability to identify potential sources of pollution in specific systems of energy transformation, and the ability to select an adequate system for the reduction and prevention of pollution.

3. Course content/structure:

Theoretical study introductory definitions (concept and types of energy, usable energy, natural 'energy; energy resources, energy and the environment, the role of energy in the functioning of the biological, social and industrial systems). Energy polluters of the environment (general definitions about energetic conventional pollutants, thermal power plants, hydroelectric power plants in the industry, transportation, urban areas). Thermal load of environment (thermal load of the atmosphere; thermal load of waterways; diffusion thermal load). Radiation-load of environment (types of radiation, the impact of nuclear power on the environment, radioactive waste, the principles of nuclear radiation protection, accidents in nuclear power plants). Practical classes (exercises): Exercises are carried out as a field or as a visit to the plants in which there are various systems for energy transformation. Practical classes (computational exercises): Exercises accompany thematic units covered in the theoretical teaching, so that students are familiar with computational exercises of power plants and their impact on the environment, which greatly complements the theoretical material.

4. Teaching methods:

Lectures. Computational exercises. Auditory exercises. Consultations.

| Knowledge evaluation (maximum 100 points) | | | | | |
|---|---|---|---|---|---|
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Dragana Štrbac, Branka Gvozdenac – Urošević, Zorica Mirosavljević | Energija i okruženje - skripta | Departman za inženjerstvo zaštite životne sredine i zaštite na radu, FTN, Novi Sad, skripta, interno izdanje | 2011 |
| 2, | José Goldemberg, Oswaldo Lucon | Energy, Environment and Development | Earthscan, Bristol, UK | 1996 |
| 3, | John Tabak | Energy and the Environment: Coal and Oil | Facts On File, Inc., New York | 2009 |
| 4, | Peter E Hodgson | Energy, the Environment and Climate Change | Imperial College Press, London | 2010 |

Table 5.2 Course specification

| Course: | Mathematics 2 |
|---|---|
| Course id: Z106 | |
| Number of ECTS: 6 | |
| Teachers: | Lukić J. Tibor, Nikolić M. Aleksandar |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquired knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project and professional courses.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models using acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results.

3. Course content/structure:

Real functions of one variable. Limiting values of the functions. Testing and analysis of the function and drawing its graph. Real functions of multiple variables. Partial derivatives, total differentials. Differential calculus. Application of derived functions. Integrals. Application of integrals. Differential equations of the first order. Differential equations of the higher order. Introduction to the series theory.

4. Teaching methods:

Lectures and Practice. Colloquium during semester, examination (problems and test in theory) at the end of the semester. Lectures are combined. During the lectures, theoretical part of the course is presented and followed by typical examples for better understanding. During the Practice, which accompanies lectures, typical problems are solved and the knowledge from the lectures is deepened. Besides lectures and practice, consultations are held on the regular basis. Part of the course, which represents a logical whole, can be taken during the teaching process in the form of the colloquium. During the teaching process students get homework assignments which they solve individually or in a group.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Nevenka Adžić | Matematika za Arhitektonski odsek i srodne struke | FTN | 2006 |
| 2, | Jovanka Nikić, Lidija Čomić | Matematika jedan, deo 1 | FTN | 2005 |
| 3, | Irena Čomić, Aleksandar Nikolić | Diferencijalne jednačine | FTN | 2005 |
| 4, | Nevenka Adžić | Zbirka rešenih zadataka iz matematike za Arhitektonski odsek | FTN | 1998 |

Table 5.2 Course specification

| Course: | Fundamentals of Mechanics |
|---|---|
| Course id: Z108 | |
| Number of ECTS: 7 | |
| Teachers: | Maretić B. Ratko, Simić S. Srboljub, Zuković M. Miodrag |
| Course status: | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introducing students to the basic principles and methods of mechanics and its application in the analysis of static and dynamic systems.

2. Educational outcomes (acquired knowledge):

Students acquire knowledge in mechanics necessary for understanding stationary and non-stationary processes interesting in the environmental engineering. They can be developed and applied in other professional courses and practical work. In the methodological sense, students obtain the pattern for solving diverse engineering problems.

3. Course content/structure:

Force, equilibrium, fundamental principles of statics. Constraints and forces of reaction. Equilibrium conditions. Stress, dilatation, axially loaded rods. Hooke's law. Statically indeterminate problems. Torsion of rods, stress, angle of torsion. Bending of beams, stresses. Statical (stationary) models in environmental engineering. Kinematics of particle: reference frame, position vector, velocity and acceleration. Newton's laws of motion. Work, energy and power, conservation and disipation of energy. Stability of dynamical systems. Small oscillations (free, damped and forced), linearization of differential equations of motion. Momentum and its rate of change; application to impact theory. Angular momentum. Dynamics of the system of particles. Kinematics and dynamics of deformable bodies. Elements of rigid body kinematics and dynamics. Dynamical (non-stationary) models in environmental engineering.

4. Teaching methods:

Lectures, Practice, Consultations. During the lectures basic principles and general methods of mechanics are presented. During the practice problems illustrating application of these methods in solving specific problems are being solved. Complex examples are presented to students using computer simulation. During semester students do homework assignments which are prerequisites for taking the colloquiums. During the semester 3 colloquiums are organized which may substitute the written (practical) part of the 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 |
| Homework | Yes | 20.00 | Oral part of the exam | Yes | 30.00 |
| Lecture attendance | Yes | 5.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | S. Simić, R. Maretić | Osnove mehanike | Fakultet tehničkih nauka, Novi Sad | 2007 |
| 2, | Đ.S. Đukić, T.M. Atanacković, L.J. Cvetićanin | Mehanika | Fakultet tehičkih nauka, Novi Sad | 2003 |
| 3, | G.V. Middleton, P.R. Wilcock | Mechanics in the Earth and Environmental Sciences | Cambridge University Press | 1994 |
| 4, | F. Ziegler | Mechanics of Solids and Fluids | Springer-Verlag, New York | 1998 |
| 5, | F.P. Beer, E.R. Johnston | Vector Mechanics for Engineers | McGraw-Hill, New York | 2004 |
| 6, | C.R. Hadlock | Mathematical Modeling in the Environment | The Mathematical Association of America, W. DC | 1998 |

Table 5.2 Course specification

| Course: | | Chemical Principles in Engineering |
|---|---|---|
| Course id: | Z155 | |
| Number of ECTS: | 8 | |
| Teachers: | | Kiurski S. Jelena, Radonić R. Jelena, Turk-Sekulić M. Maja |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introducing students of technical profession to the basic principles and laws of chemistry.

2. Educational outcomes (acquired knowledge):

Acquiring basic knowledge in the field of fundamental chemical principles which enable better understanding of a great number of chemical processes and reaction phenomena important to the field of safety and health engineering.

3. Course content/structure:

Types and characterization of organic compounds. Chemistry of organic reactions. Classification of organic pollutants. Toxicology of organic compounds. Coordination compounds. Basic principles of analytic chemistry. Qualitative and quantitative chemical analysis. Elements of the main group of the periodic table, compounds and chemical reactions: hydrogen, IA and IIA group; IIIA and IVA group; VA and VIA group; VIIA group. Elements of the sub-groups: IB (Cu, Ag, Au), IIB (Zn, Cd, Hg), VIB (Cr, Mo, W) and VIIB (Mn) and elements of the Fe triad: Fe, Co, Ni. Types of harmful effects of the chemical substances. Direct effects of the toxic organic and inorganic compounds. Indirect effects of the toxic organic and inorganic compounds. Flammability and explosiveness of organic and inorganic compounds. Explosive atmosphere.

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Laboratory exercise defence | Yes | 20.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | M. Vojinović Miloradov, J. Radonić, M. Turk Sekulić | Hemijski principi - Interna skripta | Fakultet tehničkih nauka, Novi Sad | 2011 |
| 2, | M. Vojinović Miloradov et al. | Radna sveska, Praktikum sa uputstvima za vežbe iz predmeta Hemijski principi | Fakultet tehničkih nauka, Novi Sad | 2012 |
| 3, | I. Filipović, S. Lipanović | Opća i anorganska hemija I, II (odabrana poglavlja) | Školska knjiga, Zagreb | 1991 |
| 4, | S. Arsenijević | Opšta i neorganska hemija (odabrana poglavlja) | Naučna knjiga, Beograd | 1998 |
| 5, | G. W. vanLoon and S. J. Duffy | Environmental Chemistry | Oxford University Press Inc., New York | 2011 |
| 6, | P. Monk | Maths for Chemistry | Oxford University Press Inc., New York | 2006 |
| 7, | D. Amić | Organska kemija | Školska knjiga, Zagreb | 2008 |
| 8, | P. Vollhardt i N. Schore | Organska hemija | Data status, Beograd | 2004 |
| 9, | P. Atkins and L. Jones | Chemical Principles | Clancy Marshall, New York | 2010 |
| 10, | D. Veselinović, I. Gržetić, Š. Đarmati, D. Marković | Stanja i procesi u životnoj sredini | Fakultet za fizičku hemiju, Beograd | 1995 |
| 11, | O. Stojanović, N., Stojanović, Đ. Kosanović | Štetne i opasne materije | Rad, Beograd | 1995 |

Table 5.2 Course specification

| | |
|---|---|
| Course: | Selected Chapters in Physics 2 |
| Course id: Z110 | |
| Number of ECTS: 4 | |
| Teacher: | Satarić V. Miljko |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in physics, detection and measurement. Within the course special attention will be paid to the fields of physics necessary for monitoring and analysis of processes in the living environment. The objective is that students gain basis for further studying and basis for acquisition of specific knowledge in the field of detection, monitoring and analysis in the living environment. Acquired knowledge is the basis for understanding the professional literature.

2. Educational outcomes (acquired knowledge):

Acquired knowledge enables understanding of physical processes important for detection and studying of the environmental protection issues. Knowledge of theoretical backgrounds of selected chapters in physics relevant for environmental engineering, especially in the field of detection, as well as in practical basis of measurement and analysis of the results of physical measurements.

3. Course content/structure:

Theoretical lectures: 1) Basic laws of electric field. Coulomb`s law and electrostatics. Direct current, Ohm`s law, the first and the second Kirchhoff law, Jule`s law. Magnetic field, Ampere`s law, Lorentz force and application, Faraday`s law of induction, self-induction and mutual induction. Alternating current, impedance, resonance. 2) Fundamentals of atomic physics. Bohr`s model of atoms, photons. Planck`s law of black body radiation. Stefan-Boltzmann law. Photo effect and photocells. De Broglie theory, electronic microscope. 3) Fundamentals of nuclear physics. Nuclear forces, radioactivity. The absorption of gamma rays. Nuclear reactions. Fission, Fusion. Practical lectures (laboratory and computing practice): Laboratory practice accompanies fields studied during theoretical lecture, where students are trained to carry out basic measurements, calculations and analysis of obtained experimental results. Computing Practice also accompanies theoretical lectures, thus contributing to the better understanding of the acquired knowledge.

4. Teaching methods:

Lectures, Computing Practice, Laboratory Practice and Consultations. Knowledge is checked during laboratory practice and at examination. The examination can be taken through two colloquiums, where each consists of the logical whole. Both colloquiums are taken in the written form. Colloquiums are held during the teaching semester. Students who don`t pass the examination through colloquiums have to take the entire examination consisting of written and oral part. Written part of the final examination is eliminatory. Oral part of the final examination is eliminatory.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Laboratory exercise defence | Yes | 20.00 | Written part of the exam - tasks and theory | Yes | 35.00 |
| Lecture attendance | Yes | 10.00 | Oral part of the exam | Yes | 35.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | A.Petrović | Fizika u tehnici | FTN | 2000 |
| 2, | Grupa autora sa FTN-a | Zbirka rešenih zadataka iz fizike I deo | FTN | 2004 |
| 3, | Grupa autora sa FTN-a | Zbirka rešenih zadataka iz fizike II deo | FTN | 2005 |
| 4, | Grupa autora sa FTN-a | Praktikum laboratorijskih vežbi iz fizike | FTN | 2004 |

Table 5.2 Course specification

| Course: | | Fundamentals of Computer Technologies |
|---|---|---|
| Course id: | Z201A | |
| Number of ECTS: | 5 | |
| Teacher: | | Ristić M. Sonja |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

The course is intended to help students: to understand contemporary information technologies and to understand the possibilities of their appliance in environmental engineering and safety on work; to achieve computer literacy; to master methods and techniques of IT resources usage; and to learn how to use standard applications that are broadly applied in engineering practice.

2. Educational outcomes (acquired knowledge):

By the end of the course, students should be able to use operating systems, text editors, spreadsheets, presentation and slide software and Internet services. They will be able: to understand and describe basic computer architecture, to understand functionality of computer systems; and to independently use IT resources.

3. Course content/structure:

Fundamental information technology concepts. Data representation. Computer architecture and functionality: basic components, their features, characteristics and behavior, comparison, merits and limitations. Microcomputers. Operating systems and application techniques. Components of information system. Geo-information systems - components and application. Introduction to computer networks and application techniques. Internet services. Programing systems. Application techniques of: text editors, spreadsheets, presentation and slide systems. Information society, trust in information society (safety, privacy, intellectual property). Technological and social perspectives: merits and limitations of information age.

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Complex exercises | Yes | 15.00 | Written part of the exam - tasks and theory | Yes | 30.00 |
| Complex exercises | Yes | 15.00 | | | |
| Complex exercises | Yes | 5.00 | | | |
| Lecture attendance | Yes | 5.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Luković I., Ristić S., Stefanović D., Rakić-Skoković M. | Osnove računarskih tehnologija i programiranja | FTN, Novi Sad | 2007 |
| 2, | Ristić S. | Upravljanje podacima o proizvodu | Fakultet tehničkih nauka, Novi Sad | 2012 |
| 3, | Mitić N. | Osnovi računarskih sistema | CET Beograd | 2003 |
| 4, | Shelly B. G., Vermaat E. M. | Discovering Computers - Fundamentals 2011 Edition | Course Technology | 2011 |

Table 5.2 Course specification

| Course: | | Building and Environment |
|---|---|---|
| Course id: | Z202A | |
| Number of ECTS: | 7 | |
| Teachers: | | Krnjetin S. Slobodan, Jakšić D. Željko |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introduce students to the basic principles of sustainable construction, principles of proper and environmentally correct space planning, choice of building materials, structural solutions and fire protection in the design of buildings. Especially interesting are the new trends in the construction of energy efficient buildings, and objects made of natural materials.

2. Educational outcomes (acquired knowledge):

A student is qualified for the environmental analysis of the existing facilities and environmental analysis of the project of construction of new solutions for future buildings. A student is trained to analyze safety of the workers and occupational health. You can participate in the environmental analysis of spatial and urban planning, as well as to draw up fire analysis (calculation of the required fire resistance class facilities to the fire resistance).

3. Course content/structure:

The lectures cover the following topics: Environmental protection measures in the planning of space. Basic physical - planning principles of environmentally sound construction. Classical models of the spatial structure of the city, Solar urban planning, reconstruction and revitalization of the village, macro fires sectors, rural planning. Construction materials - from ecological criteria for the assessment of environmental materials, energy aspects, Durability of building materials and elements, behavior of materials at high temperatures, Natural radionuclides in building materials, new materials - phase change materials. Building construction - environmental assessments. Basic principles of environmentally sound construction, housing Ecology, Energy aspects in the construction of buildings, solar and bioclimatic architecture, basic types of self heating buildings, Healthy Buildings, cost of environmental changes in the construction, seismic aspects of the construction. Regulations in the field of fire, and the introduction of Eurocodes fire analysis, Construction of fire protection measures. Graphic exercises include graphical displays details of construction of environmentally friendly buildings, passive solar architecture, analysis and fire facilities. Term papers are made from certain areas previously given in the course content, but with an extended survey - necessarily supplemented by experience in the world of the given field.

4. Teaching methods:

Lectures are auditory. Graphic exercises are done in groups, pencil on thick paper, according to data given in the printed templates. Term papers are made by groups, by default topics by professors, and term papers are defense practice, in terms of exercise. Consultations take place in the office of professor, two times a week. Testing knowledge consists of reviews of graphic works, oral defense of the paper and check the theoretical knowledge written test.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Theoretical part of the exam | Yes | 70.00 |
| Graphic paper | Yes | 20.00 | | | |
| Lecture attendance | Yes | 5.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Krnjetin Slobodan | Graditeljstvo i zaštita životne sredine | Prometej , Novi Sad | 2004 |

Table 5.2 Course specification

| Course: | Statistical Methods |
|---|---|
| Course id: Z203 | |
| Number of ECTS: 6 | |
| Teachers: | Gilezan K. Silvia, Grbić P. Tatjana |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Complex exercises | Yes | 15.00 | Final exam - part one | No | 50.00 |
| Exercise attendance | Yes | 3.00 | Final exam - part two | No | 50.00 |
| Lecture attendance | Yes | 2.00 | Written part of the exam - tasks and theory | Yes | 50.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | M. Stojaković | Matematička statistika | FTN (Edicija tehničke nauke – udžbenici), Novi Sad | 2000 |
| 2, | V.Jevremović, J.Mališić | Statističke metode u metorologiji i inženjerstvu | Savezni hidrometorološki zavod, Beograd | 2002 |
| 3, | I.Kovačević, M. Novković | Matematičke metode 4, - skripta | neautorizovana skripta, Novi Sad | 1999 |
| 4, | M. Novković, B.Rodić, I.Kovačević | Zbirka rešenih zadataka iz verovatnoće i statistike | FTN ( Edicija tehničke nauke-udžbenici), Novi Sad | 2004 |
| 5, | S.Gilezan,Lj.Nedović,T.Grbić, ... | Zbirka rešenih zadataka iz statistike | FTN,Centar za matematiku i statistiku, Novi Sad | 2005 |

Table 5.2 Course specification

| Course: | Fundamentals of Water Protection |
|---|---|
| Course id: Z210 | |
| Number of ECTS: 4 | |
| Teacher: | Kolaković R. Srđan |
| 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:

Enabling students to acquire professional knowledge and to apply it in practice in the fundamental fields.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used as a foundation for further advancement in professional courses.

3. Course content/structure:

Fundamentals of hydrology and hydrometry. Physical and chemical properties of water and water solutions. Characteristics of running and standing waters. Pollutants of surface and underground waters. Water quality. Water monitoring. National regulations in the domain of the environmental water quality. European directive on water protection.

4. Teaching methods:

The course is interactive in the form of lectures. During the lectures theoretical part of the course is followed by typical examples for better understanding of the knowledge. Besides lectures, consultations are held on a regular basis. Lecture presentations are available to the students in the electronics form. A part of the course, which represents a logical whole, can be taken during the teaching process through colloquiums. Colloquiums are written in the form of the test.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Stevan. J Prohaska | Hidrologija I deo, hidro-meteorologija, hidrometrija i vodni režim | Rudarsko - geološki fakultet , Beograd | 2003 |
| 2, | Vladisavljević Ž. | O vodoprivredi-pogledi i metode | Institut za vodoprivredu "Jaroslav Černi" Beograd | 1969 |
| 3, | Veronika Putarić | Hidrologija | Novi Sad | 2003 |
| 4, | Ljijić i Sundić | Direktive EU o vodama | Udruženje za tehnologiju vode i sanitarno inž.Beograd | 2006 |
| 5, | Stevan Prohaska, Vesna Ristić | Hidrologija kroz teoriju i praksu | Beograd | 1996 |
| 6, | John Pickford | Water | Laughborough University of Technology | 1996 |
| 7, | Hsieh Wen Shenc | Environmental impact on rivers | Laughborough University of Technology | 1973 |

Table 5.2 Course specification

| Course: | Sustainable Use of Natural Resources and Environmental Protection System |
|---|---|
| Course id: Z205 | |
| Number of ECTS: 6 | |
| Teachers: | Mihajlov N. Anđelka, Ubavin M. Dejan |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The course objective is to introduce students to the concept of sustainable development, environmental protection system, legislation in the field of environment and global issues of environment. Master the course should enable students to understand complex relationships between stockholders of the sustainable development, as well as to point out the necessity of multidisciplinary approach to the problem.

2. Educational outcomes (acquired knowledge):

Students should use acquired knowledge in further education, in professional courses above all. Mastering this course is the starting point in the courses which have the objective to solve existing problems in the field of environmental protection.

3. Course content/structure:

Theoretical lectures: Natural resources, Inexhaustible – exhaustible resources, EU thematic strategy as a frame for sustainable use of natural resources, Natural resources and national strategy of Serbia for the accession to the EU, Elements of the environment being regulated, Concepts of integral environmental protection and control; Rio conference and Agenda 21, Conference in Johannesburg, Environmental protection convention, International organizations, EU laws in the field of environmental protection, EU thematic strategies and strategy for accession of Serbia to the EU, National legislation in the field of environmental protection. Global atmospheric changes, Potential of global warming, Prediction of moderate global temperatures, Regional impact of temperature change, CDM change, Systematic connection of sustainable use of natural resources and the living environment, System of national accounts and increase in national income as a sustainable development indicator, Economic indicators, Practical lectures: During lectures, adequate examples related to the knowledge from the lectures are elaborated with active participation of students.

4. Teaching methods:

Lectures, Auditory Practice and Consultations. Lectures: Theoretical part of the course is presented with examples which have the objective to master the knowledge more easily. During auditory practice, the knowledge from the lectures in studied in more detail with active participation of students. Besides lectures and auditory practice, consultations are held on the regular basis. The course is divided in two wholes followed by two colloquiums. The first whole is: The concept of sustainable development, Environmental protection system and legislation in the field of living environment. The second whole is: Global issues of the living environment.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Mihajlov, A., Vujić, G., Ubavin, D. | Održivo korišćenje prirodnih resursa | Skripta, interno izdanje FTN | 2007 |
| 2, | López, Ramón, and Michael A. Toman. | Economic Development and Environmental Sustainability - New Policy Options | Oxford: Oxford University Press | 2006 |
| 3, | Daniel B. Botkin, Edward A. Keller | Environmental Science | John Wiley &sons, inc | 2003 |
| 4, | Anđelka N. Mihajlov | Održivi razvoj i životna sredina ka Evropi u 95 koraka | Privredna komora Srbije i "Ambasadori životne sredine" | 2005 |

Table 5.2 Course specification

| Course: | | English Language - Elementary |
|---|---|---|
| Course id: | EJ01Z | |
| Number of ECTS: | 2 | |
| Teachers: | | Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Mastering the basics of the English language: pronunciation of English sounds, acquisition of vocabulary related to everyday situations, mastering the basics of English morphology and syntax.

2. Educational outcomes (acquired knowledge):

Students are able to use spoken and written English in simple, everyday situations.

3. Course content/structure:

The use of articles, nouns (nouns in Plural), adjectives (types of adjectives, possessive adjectives, comparison of adjectives), pronouns (personal pronouns), auxiliary verbs (be, do, have), modal verbs. The use and construction of tenses (Present Simple, Present Continuous, Present Perfect, Past Simple, future forms). Question and negative form of the sentence. Vocabulary related to everyday topics: introduction, family, free time, work, food and beverages, naming and description of everyday objects, description of people and places etc.

4. Teaching methods:

Communicative method is used, since the objectives and contents of the course are aimed at communication which is very complex. The emphasis is placed on communication between students and teachers and students among themselves, as well as balanced development of all language skills.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | John and Liz Soars | New Headway Elementary | Oxford University Press | 2002 |
| 2, | Grupa autora | Oxford English - Serbian Dictionary | Oxford University Press | 2006 |
| 3, | N. Coe, M. Harrison, K. Peterson | Oxford Practice Grammar - Basic | Oxford University Press | 2006 |

Table 5.2 Course specification

| Course: | | German Language – Elementary |
|---|---|---|
| Course id: | NJ01Z | |
| Number of ECTS: | 2 | |
| Teachers: | | Berić B. Andrijana, Jović Đ. Miomira |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Mastering the fundamentals of the German language. Learning pronunciation, spelling, mastering the vocabulary related to simple everyday situations, and mastering fundamentals of German morphology.

2. Educational outcomes (acquired knowledge):

Students are able to use both oral and written German language in simple everyday situations.

3. Course content/structure:

Practical part: mastering fundamental speech patterns, pronunciation and spelling, developing the ability to understand listening. Vocabulary is related to everyday topics: introduction, family, leisure time, job, food and drink, naming and describing everyday items, describing people and places, moving in a city, introducing German culture, etc. Theoretical part: present, perfect, separable verbs, reflexive verbs, cases, indefinite and definite article, negation, questions, statements, possessive pronouns, demonstrative pronouns, indefinite pronouns, modal verbs, imperative, comparison, prepositions, sentences with the linking words denn, deshalb, sonst and trotzdem.

4. Teaching methods:

Emphasis is on the communication method, as well as on students` activity during the lectures. During the communication the most important thing is mutual interaction.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 35.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 35.00 |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | H. Aufderstraße, i drugi | Themen aktuell 1 | Hueber Verlag | 2000 |

Table 5.2 Course specification

| Course: | | Entrepreneurship |
|---|---|---|
| Course id: | IM1005 | |
| Number of ECTS: | 6 | |
| Teachers: | | Borocki V. Jelena, Mitrović R. Vojin |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

The main objective of this course is to provide (1) an understanding of the basic concepts and practice of entrepreneurship and entrepreneurial thinking, (2) understanding of the importance of entrepreneurship and innovation to new demands of various segments of the economy, (3) understanding of the process of converting business ideas into entrepreneurial ventures. The goal of this course is to provide all students with an understanding of the creation of an entrepreneurial environment in enterprises regardless of their structure, size and economic activity and to enable them to understand the prerequisites of starting their own business.

2. Educational outcomes (acquired knowledge):

Students who finish the course and pass the examination in this subject, are trained to (1) understand the basic concepts of entrepreneurship, recognize entrepreneurial traits and develop entrepreneurship in their attitude and behaviour towards the business environment, (2) analyze and apply basic elements independently of the process of design, implementation and control of the business idea, (3) develop and adopt the key principles of the entrepreneurial process, and understand the specific problems of starting their own business and if necessary overcome them. They will be familiar with the basic influence of business and other relevant institutions on the development of entrepreneurship.

3. Course content/structure:

The introductory part (role and importance of entrepreneurship for economic and enterprise development, entrepreneurship development up to nowadays). Basic concepts of entrepreneurship, principles and rules of entrepreneurship. Myths of Entrepreneurship, Entrepreneurship for the 21st century, new jobs and business skills of engineers and managers, Innovation and Entrepreneurship in new conditions. Entrepreneur and Entrepreneurship (concept and definition of entrepreneurs, characteristics, skills and abilities, and examples of successful and poor entrepreneurs). Engineer, manager, entrepreneur (similarities and differences, necessary skills, integration of skills and knowledge). Importance of the idea of entrepreneurial process (what is the business idea, the internal and external sources of business ideas, techniques, ideas creation, business ideas protection). The process of transforming ideas into business. Necessary research conditions in the external and internal environment (clients, suppliers, markets, competition, resources, etc..). Implementation and control of the implementation process of business idea. Standard problems of starting business and ways of overcoming problems (organization, financing, research market conditions, teamwork, legal aspects). Directions of change (internal and external influences on corporate performance) criteria for the development of entrepreneurial ventures. Impact of the external environment (specific environments, institutions, legal and regulatory framework, funding). The importance and challenges of entrepreneurship, entrepreneurial types (corporate, internal, family), and new business models that encourage entrepreneurship, best practice).

4. Teaching methods:

Teaching activity comprises lectures, exercises, consultations, consideration of specific problems in the field of entrepreneurship. Lectures partly delivered by the owners of successful small and medium-sized enterprises and representatives of the clusters and institutions important to encourage entrepreneurship. Presentation of seminar papers. Practical classes - exercises on practical examples, case studies and problem solving.

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, | Penezić, N. | Preduzetništvo – savremeni pristup | Fabus, Sr. Kamenica | 2009 |
| 2, | Sahar i Bobi Hašemi | Svako to može – 57 pravila preduzetničkog života | Plato, Beograd | 2005 |
| 3, | Borocki, J. | Osnove preduzetništva – elektronska skripta | Fakultet tehničkih nauka u Novom Sadu | 2012 |

Table 5.2 Course specification

| | | |
|---|---|---|
| Course: | | Alternative Energy Sources |
| Course id: | Z206A | |
| Number of ECTS: | 8 | |
| Teachers: | | Grković R. Vojin, Gvozdenac D. Dušan, Nakomčić-Smaragdakis B. Branka |
| Course status: | | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Acquisition of knowledge and enabling students for further application and practical work in the field of alternative power engineering in the domain of Renewable sources of energy.

2. Educational outcomes (acquired knowledge):

Ability to use acquired knowledge in further education and in the future engineering practice in the domain of Renewable sources of energy.

3. Course content/structure:

Power engineering, economy and ecology (general part).
Solar energy: resources, solar technologies (photovoltage (PV) technologies, solar heating technologies), solar systems (PV independent and interactive systems; distributed and central receiving system), using thermal energy of the ocean.
Wind energy: resources, the use of wind energy, vertical and horizontal wind generators (BAWT, XAWT), Wind energy based systems (independent and interactive), technical problems and solutions.
Hydro energy: resources, the use of water driving force, estimation of available energy, impulse and reaction turbines, hydro power plant as a part of PES, small hydro plants, the use of tides and waves.
Geothermal energy: types of geothermal sources, resources, technologies and systems for their exploitation (direct and indirect use), consequences on the environment.
Biomass: characteristics of biomass, technologies and systems for the use of biomass (combustion, gasification, pyrolysis), biofuel (biodiesel, biogas).
Nuclear energy: processes of obtaining nuclear energy, nuclear fuel, nuclear plants (reactors, power plants), nuclear waste (regulations).
New technologies (fuel cells, compressed hydrogen…).
Energy storage: general part, accumulation of hydro energy, electrochemical energy storage (batteries), process of electrolysis, accumulated energy of compressed hydrogen, accumulation of flywheel energy.

4. Teaching methods:

Lectures, Auditory and Computer Practice, Mentor work, Consultations. Students work on the term paper in groups for the chosen field/topic by the mentor and they individually defend their work in front of the colleagues and the professor. Topic selection is in accordance with the student interests. The final examination covers the entire course and it is eliminatory. The final grade is formed based on the success on the term paper, test results and student activity during the lectures.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Theoretical part of the exam | Yes | 70.00 |
| Lecture attendance | Yes | 5.00 | | | |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | D. Gvozenac , B. Nakomčić-Smaragdakis, B. Gvozdenac Urošević | Obnovljivi izvori energije | FTN-a | 2010 |
| 2, | J. Tester, E. Drake, M. Driscoll, M. Golay | Sustainble Energy | The MIT Press, GB | 2005 |
| 3, | Doc.dr Branka Nakomčić | Alternativna energetika | Skripta, interno izdanje FTN | 2009 |

Table 5.2 Course specification

| Course: | | Mechanical Engineering in Environmental Engineering |
|---|---|---|
| Course id: | Z207A | |
| Number of ECTS: | 7 | |
| Teachers: | | Hadžistević J. Miodrag, Hodolič J. Janko, Vukelić B. Đorđe, Budak M. Igor |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in the field of mechanical engineering with a special emphasis on the environmental protection aspects.

2. Educational outcomes (acquired knowledge):

Ability to recognizes, prevent and repair problems related to the environmental protection within mechanical engineering.

3. Course content/structure:

The objective, purpose and organization of the course; System conflict between the living environment and the needs of civilization; Critical environmental fields of industrial production; Mechanical engineering and the living environment (mechanical plants, atmosphere pollution, waste, noise and the living environment, ecologization technology); Evaluation methodology of the impact activities on the living environment; Systems of environmental management (purpose, origin, implementation, functions, assessment); Methodology of environmental evaluation and product marking; Multicriteria evaluation of the environmental pollution; Ecological technologies and systems of the future.

4. Teaching methods:

Lectures are interactive in the form of lectures, auditory, laboratory and computer practice. During the lectures theoretical part of the course is presented followed by typical examples for better understanding. During the auditory practice typical problems are solved and the knowledge is deepened. During laboratory practice acquired knowledge is practically applied on the available laboratory equipment. During computer practice the use of information communication technologies is performed in mastering knowledge of the observed field. Besides lectures and practice, consultations are held on a regular basis.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 30.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 20.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Hodolič. J, Badida M., Majernik M., Šebo D. | Mašinstvo u inženjerstvu zaštite životne sredine | Fakultet tehničkih nauka u Novom Sadu | 2005 |
| 2, | Budak, I.; Hodolič, J.; Stević, M.; Vukelić, Đ. i dr. | Označavanje proizvoda o zaštiti životne sredine | Fakultet tehničkih nauka, Novi Sad | 2009 |
| 3, | Hodolič, J., Vukelić, Đ., Hadžistević, M., Budak, I. | Reciklaža i reciklažne tehnologije | Fakultet tehničkih nauka u Novom Sadu | 2011 |

Table 5.2 Course specification

| Course: | | Monitoring of the Living Environment |
|---|---|---|
| Course id: | Z204A | |
| Number of ECTS: | 6 | |
| Teachers: | | Mihajlov N. Anđelka, Vujić V. Goran |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge about the basic principles of the living environment monitoring system functioning, and physical-chemical processes in different media of the living environment in order to precisely determine representative pollutants.

2. Educational outcomes (acquired knowledge):

Acquired knowledge enables students to understand the state of the living environment and to understand results obtained in the monitoring systems in order to determine the cause of pollution.

3. Course content/structure:

Regulations in the field of air, water, wastewater and other parts of the environmental monitoring. Characteristics of the pollutants in the air, water… Monitoring of emissions of industrial pollutants, monitoring of standard pollutants (SO2, Nox, CO2, CO), suspended particles, carbon black, monitoring of metal emissions, monitoring of specific pollutants. Monitoring of industrial pollutants in the emission (ambient air), monitoring by standard methods of pollutants (SO2, Nox, CO2, CO), suspended particles, carbon black, monitoring of metal emissions. Monitoring of specific pollutants in the emission, Characteristics of air monitoring using continuous automatic stations, monitoring air in the room. Bioindicators for examining the state of human health and ecosystem vulnerability, Biological indicators in the program of the living environment monitoring. Qualitative data analysis in the biomonitoring of non-ionizing and ionizing radiation.

4. Teaching methods:

Lectures, Practice, Consultations. The written part of the examination can be taken through two colloquiums: Colloquium I: Regulations, Characteristics of pollutants, Monitoring of emissions of industrial pollutants, Monitoring of standard pollutants II: Monitoring of specific pollutants in the emission. Characteristics of air monitoring using continuous automatic stations and monitoring air in the room, vulnerability of ecosystem, bioindicators for examining the state of the human health and ecosystem vulnerability, Biological indicators in the program of the living environment monitoring. Qualitative data analysis in biomonitoring on non-ionizing and ionizing radiation. The final part of the examination is oral. Passed colloquiums or the written part of the examination are eliminatory on the examination. The course grade is formed based on the success at the colloquium, term paper (paper and defense) that is, the written and oral part of the examination.

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 | Coloquium exam | No | 20.00 |
| Test | Yes | 10.00 | Coloquium exam | No | 20.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 10.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Nicholas P. Cheremisinoff, Ph.D., N&P Limited | Handbook of Air Pollution Prevention Prevention and Control | Elsevier Science (USA) | 2002 |
| 2, | Božo Dalmacija | Upravljanje kvalitetom voda sa aspekta Okvirne direktive EU o vodama | PMF Novi Sad, Departman za hemiju, Mala knjiga | 2003 |
| 3, | M. V. Miloradov, T. Stajić | Monitoring životne sredine - vežbe | Skripta, interna skripta FTN | 2006 |

Table 5.2 Course specification

| Course: | | Biochemical and Macrobiological Principles |
|---|---|---|
| Course id: | Z208 | |
| Number of ECTS: | 7 | |
| Teachers: | | Knežević .. Petar, Simeunović B. Jelica |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge about the basic principles in functioning of different levels of biological systems, which is a precondition for understanding the actions of xenobiotics on the living world and conditions for sustainable development.

2. Educational outcomes (acquired knowledge):

Acquired knowledge will enable students to master the contents of the courses dealing with pollution issues and environmental remediation.

3. Course content/structure:

Foundational organization of the cell (biomolecules, enzymes, bioenergy and metabolism, transport through membranes. Transfer of genetic information, action of xenobiotic on the DNA level. Intercellar communication and homeostasis, molecular basis for cancer. Immune mechanisms, allergens, immunotoxicity. Ecosystem, biodiversity and sustainable development. Microorganisms and their importance in the ecosystem metabolism. Interaction of microorganisms with pollutants in biosphere (detergents, pesticides, heavy metals, plastic materials, oil). The concept of bioremediation, bioremediation of oil polluted ecosystems. Application of microorganisms in the ecosystem protection. The concept of trophisity and pollution of water ecosystems. Classification of water ecosystems according to organic production. Microbiological and biological aspect of wastewater processing. Methods and devices for biological water waste treatment (activated sludge, biological filtration, processes in lakes or lagoons). General biological effect of disinfection. Preparation of drinking water. Biological monitoring: biomarkers, bioindicator organisms.

4. Teaching methods:

Lectures. Audio-visual Practice. Consultations.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 40.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 30.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | R. Kovačević, G. Grubor-Lajšić, O. Petrović, N. Andrić | Skripta: Biohemijski i mikrobiološki principi | Interna skripta | 2005 |
| 2, | O. Petrović, S.Gajin, N. Matavulj, D. Radnović, Z. Svirče | Mikrobiološko ispitivanje kvaliteta površinskih voda | Univerzitet u Novom Sadu | 1998 |

Table 5.2 Course specification

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

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

Precondition courses

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

| Knowledge evaluation (maximum 100 points) | | | | | |
|---|---|---|---|---|---|
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | John and Liz Soars | New Headway Pre-Intermediate | Oxford University Press, Oxford | 2002 |
| 2, | John Eastwood | Oxford English Grammar Intermediate | Oxford University Press, Oxford | 2006 |
| 3, | Grupa autora | Oxford English -Serbian Dictionary | Oxford University Press | 2006 |

Table 5.2 Course specification

| Course: | | German Language – Pre-Intermediate |
|---|---|---|
| Course id: | NJ02L | |
| Number of ECTS: | 2 | |
| Teachers: | | Berić B. Andrijana, Jović Đ. Miomira |
| Course status: | | Elective |

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

Further developing the German language essentials, expansion of vocabulary related to various situations, extension in the usage of tenses, adoption of more complex sentence structures, introduction to culture, customs and ways of thinking of people speaking the German language, expansion and developing language communication competence.

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

Practical part of the course: comprehending complex everyday spoken situations, developing the ability to understand the listened text. Theoretical part of the course: imperfect, part of passive structures, certain infinitive structures, subject and object clauses, conjunctive 2, question pronouns, relative pronouns with relative clauses, asking questions in indirect speech, final sentences with the linking word damit, verb rection, verb use of comparative and superlative, certain time sentences.

4. Teaching methods:

Emphasis is on communication, implying students` activity during the classes. During the communication, mutual interaction is essential.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 35.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 35.00 |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | H. Aufderstraße, H. Bock, J. Müller, H. Müller | Themen aktuell 2 | Hueber Verlag | 2004 |

Table 5.2 Course specification

| Course: | | Fundamentals of Thermodynamics |
|---|---|---|
| Course id: | M203 | |
| Number of ECTS: | 5 | |
| Teacher: | | Dragutinović D. Gordan |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introduction to the structure of thermodynamics, thermodynamics concepts and methods of solving energy conversion problems.

2. Educational outcomes (acquired knowledge):

Acquisition of basic knowledge for solving technical problems of thermodynamics, thermo processing techniques and designing heating machines and facilities.

3. Course content/structure:

(1) Thermodynamic system. Mechanical and thermodynamic axioms: conservation of mass, impulse, the firs and the second law of thermodynamics. (2) Equation of state: thermal and caloric equations of substance state (ideal gases, real gases – water and water vapor). (3) Processes. Perfect and real processes. Cycles and the thermodynamics efficiency of these processes (right-handed and left-handed steam and gas processes).

4. Teaching methods:

Lectures and Auditory Practice. Practice accompanies lectures and demands a high level of student independency in solving problems.

Knowledge evaluation (maximum 100 points)

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

Literature

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

Table 5.2 Course specification

| Course: | | Fundamentals of Fluid Mechanics |
|---|---|---|
| Course id: | M205 | |
| Number of ECTS: | 5 | |
| Teacher: | | Bukurov Ž. Maša |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introduction to the physical properties of fluids and behaviour of fluids at rest and in motion.

2. Educational outcomes (acquired knowledge):

Acquisition of knowledge for solving problems in the field liquid and gas at rest and in motion (dimensioning of containers and reservoirs, dimensioning of pipelines, determining flow characteristics).

3. Course content/structure:

The subject and a brief historical development of Fluid Mechanics. General concepts. Physical properties of fluids. Molecular structure - microstructure. The division of physical properties. Pressure. Density. Compressibility. Speed of sound. Viscosity. Surface tension, capillarity and critical pressure. Cavitation. Fluid statics. The hydrostatic pressure. Euler equations for a static fluid. Pressure distribution in liquids and gases in the field of gravity. Fluid pressure on a flat surface. Hydrostatic forces on flat surfaces. Hydrostatic forces on curved surfaces. Buoyancy. Fluid as rigid body under uniform linear acceleration. Fluid as rigid body under rotation. Fluid Kinematics. Dynamics of ideal fluid. Euler equations.Bernoulli integral of Euler equations. Bernoulli equations. Correction factor of kinetic energy. Pipe problems - a form with losses. The coefficient of friction. The method of approximation. Pipeline with turbomachinery, the critical pressure, closed pipeline system. The energy diagram. Complex pipelines. Flow through the holes and sockets. Flow with the variable level. Flow rate measurement.

4. Teaching methods:

The course is held by using modern equipment (all lectures are done in Power Point), but also by using classical methods – chalk and blackboard. There are a number of movies in fluid mechanics being presented to the students, but also assigned for homework. Objects related to the lectured units are brought to class when possible (pipe elements, measurement instruments). Practice is divided into computing practice (10 weeks) and laboratory (5 weeks). Computing practice accompanies lectures and examination problems are solved on board by gradual display of results. Laboratory practice is held at once for 6 hours, where students carry out experiments and use obtained results to get end results and to draw graphs. Students have to complete practice for homework in order to defend their results and get approval for them at the next laboratory practice class.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 2.00 | Oral part of the exam | Yes | 50.00 |
| Laboratory exercise attendance | Yes | 3.00 | | | |
| Lecture attendance | Yes | 5.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Maša Bukurov | Osnovi mehanike fluida | skripta | 2012 |
| 2, | Žarko Bukurov | Mehanika fluida | Fakultet tehničkih nauka | 1987 |
| 3, | Žarko Bukurov, Petar S. Cvijanović | Mehanika fluida zadaci | Fakultet tehničkih nauka | 1975 |
| 4, | Maša Bukurov, Bogoljub Todorović, Siniša Bikić | Zbirka zadataka iz osnova mehanike fluida | FTN Izdavaštvo | 2011 |

Table 5.2 Course specification

| Course: | | Pollution Measurement and Control |
|---|---|---|
| Course id: | Z301 | |
| Number of ECTS: | 8 | |
| Teachers: | | Budak M. Igor, Hadžistević J. Miodrag, Hodolič J. Janko, Vukelić B. Đorđe |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Introduction to the methods and techniques of measurement of some typical parameters from the aspect of environmental pollution, to the ways of processing, presentation and analysis of those results by application of statistical methods and introduction to the theory of engineering experiment.

2. Educational outcomes (acquired knowledge):

Enabling student to apply different measurement methods and techniques and monitoring of some parameters of the living environment.

3. Course content/structure:

Experiment planning. One-factor and multi-factor orthogonal plans. Searching the optimum by doing experiments. Fundamentals of metrology. Measurement methods. Characteristics of measurement instruments. Measurement errors. Measurement of some characteristic parameters of environmental pollution. Manipulation, transfer and recording of the measured values. Systems for acquisition and processing of the measured values. Fundamentals of statistic control. Control cards. Assessment of the environmental state by application of statistical tests.

4. Teaching methods:

The course is interactive in the form of lectures, auditory, laboratory and computer practice. During the lectures theoretical part of the course is presented followed by typical examples for better understanding of the knowledge. During auditory practice typical problems are solved and knowledge from the lectures is deepened. During laboratory practice acquired knowledge is applied in practice and using the available laboratory equipment. During computer practice information communication technologies are used in mastering the knowledge of the observed field. Besides lectures and practice, consultations are held on a regular basis.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 40.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 30.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Hodolič, J.; Hadžistević, M.; Budak, I., Vukelić, Đ. | Merenje i kontrola zagađenja - skripta | Fakultet tehničkih nauka, Novi Sad | 2012 |
| 2, | Šooš, LJ., Hodolič, J. | Upravljanje otpadom u Slovačkoj | Univerzitet u Novom Sadu - Fakultet tehničkih nauka | 2008 |
| 3, | Hodolič J., Badida M., Majernik M., Šebo D. | Mašinstvo u inženjerstvu zaštite životne sredine | Univerzitet u Novom Sadu - Fakultet tehničkih nauka | 2005 |
| 4, | Hodolič J., Vojinović-Miloradov M., Antić A., Hadžistević M., Agarski B., Šebo D., Badida M. | Zagađenje životne sredine i zagađujuće supstance, mogućnosti uklanjanja zagađujućih supstanci | Fakultet tehničkih nauka, Novi Sad | 2009 |

Table 5.2 Course specification

| Course: | | Environmental data analysis |
|---|---|---|
| Course id: | Z305A | |
| Number of ECTS: | 6 | |
| Teachers: | | Radonić R. Jelena, Turk-Sekulić M. Maja |
| Course status: | | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

The acquisition of basic knowledge of instrumental methods of chemical analysis in the field of engineering necessary protection of water, air and land. Introduction to modern methods of experiment design, processing, and analysis of experimental data.

2. Educational outcomes (acquired knowledge):

Acquired knowledge, students will use in the analytical evaluation and statistical analysis of data about levels of contamination, methods of deposition and dynamics of dispersion of pollutants in a variety of biotic and abiotic environmental matrices.

3. Course content/structure:

The structure of pure substances. Properties and behavior of gases solid and liquid substances. Dispersed systems. Solutions. Phase equilibrium, Gibbs' phase rule, two and three component systems. Physical and chemical adsorption, heat of adsorption, adsorption isotherms.Catalysis, catalytic reactions, the theory of heterogeneous catalysis, homogeneous catalysis. An experiment in practice. approach to experimental research, planing of experiment.Types of errors. Systematic errors. Random errors. Rough experimental errors.The accuracy and precision of the experimental results.Processing of the experimental results.Graphical analysis of the experimental results.Statistical analysis of the experimental results. Analytical methods.Chemical, sensory, biochemical and instrumental analytical methods.Spectroscopy. Theoretical basis and types of spectroscopy.Instruments in optical spectroscopy. Theoretical basis of separation methods. Chromatography.

4. Teaching methods:

Lectures. Laboratory and computing practice. Consultation - individual and group. During the semester, students are required to attend lectures, laboratory and computational practices. After successfully realized examination prerequisites, students take the written (computing) and oral (theoretical) part of the final exam. The written part of the exam can be taken through the two colloquiums.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 40.00 |
| Laboratory exercise defence | Yes | 20.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |
| | | | Oral part of the exam | Yes | 30.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Ilija Pantelić | Uvod u teoriju inženjerskog instrumenta | Univerzitet u Novom Sadu | 1976 |
| 2, | Nikola Marjanović | Instrumentalne metode analize, I/1. Metode razdvajanja | Univerzitet u Banja Luci | 2001 |
| 3, | M. Vojinović Miloradov, J. Radonić, M. Turk Sekulić | Analiza podataka o stanju okoline - Interna skripta | Fakultet tehničkih nauka, Novi Sad | 2011 |
| 4, | I. Bajalović | Osnovi fizičke hemije | IRO „Građevinska knjiga“, Beograd | 1983 |
| 5, | I. Holclajtner Antunović | Opšti kurs fizičke hemije | Zavod za udžbenike i nastavna sredstva, Beograd | 2000 |
| 6, | P. Putanov | Osnove fizičke hemije I deo | Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad | 1989 |
| 7, | P. Putanov | Osnove fizičke hemije II deo | Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad | 1989 |
| 8, | D.A. Skoog, D.M. West, F.J. Holler | Fundamentals of Analytical Chemistry | Saunders College Pub. | 1992 |

Table 5.2 Course specification

| Course: | | Safety at work in construction |
|---|---|---|
| Course id: | ZR302A | |
| Number of ECTS: | 6 | |
| Teachers: | | Trivunić R. Milan, Jakšić D. Željko, Dražić J. Jasmina |
| 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 on safety and health at work during realization of construction works of residential and industrial buildings, hydro-engineering, roads, railways, tunnels, etc.

2. Educational outcomes (acquired knowledge):

Education for the planning and implementation of safety and health at work in construction of buildings and facilities for different purposes. Gained knowledge is directly applicable to engineering practice.

3. Course content/structure:

Introduction to construction industry. General about construction technology. Organization of construction works. Personal safety equipment of workers in the construction industry. Site organization and measures for safety and health at work. Site analysis in terms of health and safety at work as well as elements for Risk Assessment Act.

4. Teaching methods:

Lectures, practical exercises, design work and consultation. In lectures, theoretical part of the subject is performed in the form of presentation of individual units with appropriate methodological practices, to enable easier understanding and adoption of subject. In practical exercises theoretical knowledge from lectures is processed with more active student participation. In addition to lectures and exercises consultation are regularly held. Student, based on the obtained information (lectures, literature, consultations and general instructions at the beginning of exercise), solves the set of tasks in form of student work. Positively evaluated student work is a prerequisite for taking the exam. The exam covers the entire material exposed during the semester and is taken orally. Rating exam is based on attendance of lectures and exercises, reviews of the paper and an oral exam.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 40.00 |
| Graphic paper | Yes | 20.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |
| | | | Theoretical part of the exam | Yes | 30.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Trivunić, M., Matijević, Z. | Tehnologija i organizacija građenja | Edicija tehničke nauke-udžbenici, FTN, Novi Sad | 2006 |
| 2, | Pravilnik | Pravilnik o zaštiti na radu pri izvođenju građevinskih radova | Jugozaštita, Beograd | 1998 |

Table 5.2 Course specification

| Course: | | English Language - Intermediate |
|---|---|---|
| Course id: | EJ03Z | |
| Number of ECTS: | 2 | |
| Teachers: | | Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta |
| Course status: | | Elective |

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

Precondition courses

1. Educational goal:

Further improvement of English vocabulary through expansion of acquired vocabulary and adoption of more complex sentence structures adequate to the purpose and the situation in which the language is used. Expanding the vocabulary with terms that are not related only to the immediate surrounding. Developing the ability to express thoughts and feelings more precisely and clearly.

2. Educational outcomes (acquired knowledge):

Students are able to use language knowledge and skills in different life situations using adequate vocabulary and sentence structures. Students are able to adjust their style and register expression to some extent, depending on the situation. Students are able to read more complex texts and interpret and comment on ideas presented in them.

3. Course content/structure:

Vocabulary related not only to immediate surrounding, but a number of abstract terms. Text reproduction from various sources, written in a variety of styles and registers. Word formation related to the construction of abstract nouns, expressing the subject, construction of adverbs, the use of negative prefixes, etc. The use of Passive voice. The use of Conditional Sentences (First, Second and Third Conditional). Systematization of the use of tenses.

4. Teaching methods:

The emphasis is placed on the student activities during the class, their interaction with the teacher and between themselves. The communicative approach is used in the foreign language courses.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | John and Liz Soars | New Headway Intermediate(odabrana poglavlja) | Oxford University Press, Oxford | 2000 |
| 2, | John Eastwood | Oxford English Grammar Intermediate | Oxford University Press, Oxford | 2006 |
| 3, | Grupa autora | Oxford English - Serbian Dictionary | Oxford University Press, Oxford | 2006 |

Table 5.2 Course specification

| Course: | | German Language – Intermediate |
|---|---|---|
| Course id: | NJ03Z | |
| Number of ECTS: | 2 | |
| Teacher: | | Berić B. Andrijana |
| Course status: | | Elective |

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

Precondition courses

1. Educational goal:

Mastering vocabulary, developing language communication competence in the wide range of everyday situations, mastering complex language structures.

2. Educational outcomes (acquired knowledge):

Students have mastered oral and written language in the wider range of everyday situations using the larger vocabulary and the complex grammatical structures, so now they can explain their opinions and thinking in more detail, as well as provide advice.

3. Course content/structure:

Practical part of the course: mastering the description of everyday complex situations both orally and in writing, better understanding of the listened text. Theoretical part of the course: reflexive pronouns, unreal clauses, adjective declination, passive with modal verbs, conditional clauses, conjunctive 2 (past), use of the verb lassen, causal clauses with the linking words obwohl and trotzem.

4. Teaching methods:

Emphasis is on the communication method, implying students` activity during the class. During communication, mutual interaction is essential.

| Knowledge evaluation (maximum 100 points) | | | | | |
|---|---|---|---|---|---|
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 35.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 35.00 |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | M.Perlmann-Balme, A. Tomaszewski, D. Weers | Themen aktuell 3 (Lektion 1-Lektion 5) | Hueber Verlag | 2004 |

Table 5.2 Course specification

| Course: | | Solid Waste Management |
|---|---|---|
| Course id: | Z309A | |
| Number of ECTS: | 7 | |
| Teachers: | | Kosec L. Borut, Mihajlov N. Anđelka, Ubavin M. Dejan, Vujić V. Goran |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Enabling students to view the entire waste management cycle and to solve problems related to the entire system, as well to individual parts of the system. The course objective is to introduce students to all parts of the waste management system (from formation, through collection, transport, recycling, to the final waste disposal) where special accent is placed on finding the adequate solution in real situations.

2. Educational outcomes (acquired knowledge):

Students gain knowledge necessary for understanding the character of municipal waste management. Students should be able to give answers on the design requirements or to offer consulting services in the field of solid waste management by using the acquired knowledge from this course. The knowledge from this course represents the necessary foundation in certain courses during the studies.

3. Course content/structure:

Theoretical lectures: The concept of waste, Composition of municipal waste, Properties of municipal waste, National legislation on municipal waste, EU and world regulations on municipal waste, Waste management, Main characteristics of waste management, Waste management plan, Waste disposal, Utilization of landfill gas, Waste collection and separation plants, Separation and recycling of electronic waste, Combustion of municipal waste, Mechanical biological treatment MBT, Composting the municipal waste, Special flows of waste in settlements (medical, batteries, Transport and transport vehicles, Separation methods of secondary raw materials on spot and after transportation, Closure of landfills, Sanitary landfill management, Equipment for sanitary disposal. Financial implications of the waste management methods. Practical lectures: During Practice examples from every field of waste management are presented and students are trained to work on software for modeling landfill processes. Practical lectures: During Practice the knowledge from the lectures is elaborated in detail using examples from the practice. Students are trained to work on software used in the field of waste management.

4. Teaching methods:

Lectures, Auditory Practice, Computer practice and Consultations. During lectures theoretical part of the course is presented followed by examples from practice for better understanding of the lectured material. During auditory practice the knowledge from lectures is elaborated in more detail with active participation of students. During computer practice, students learn to use software tools for landfill process simulation. Besides lectures and practice, consultations are held on a regular basis. Written part of the examination can be taken through two colloquiums: Colloquium 1: Legislation, Generating, morphological composition and physical properties of municipal waste, Systems of waste collection and transportation, Methods of separation of secondary raw materials. Colloquium 2: Disposal of municipal waste, Closure of landfills, Sanitary landfill management. Methods of municipal waste treatment, Financial implication of the waste management methods. Completed computer practice is e

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Mihajlov,A., Vujić, G., Ubavin, D. | Upravljanje čvrstim otpadom | Skripta, interno izdanje FTN | 2007 |
| 2, | Marina R. Ilić, Saša R. Miletić | Osnovi upravljanja čvrstim otpadom | Institut za ispitivanje materijala | 1998 |
| 3, | Borislav Jakšić, Marina Ilić | Upravljanje opasnim otpadom | Urbanistički rzavod Republike Srpske, Banja Luka | 2000 |
| 4, | Grupa autora | Nacionalna strategija uptavljajna otpadom | Ministarstvi za zaštitu životne sredine | 2003 |

Table 5.2 Course specification

| Course: | | Security and Safety Equipment for working |
|---|---|---|
| Course id: | ZR308A | |
| Number of ECTS: | 8 | |
| Teachers: | | Šostakov S. Rastislav, Zeljković V. Milan |
| Course status: | | Mandatory |

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

Precondition courses: None

1. Educational goal:

Theoretical and practical knowledge in the field of public safety equipment for work. Training for making elaborate technical documentation with respect to meeting the security requirements of work equipment.

2. Educational outcomes (acquired knowledge):

Knowledge about a new approach to safety of work equipment and the ability to produce technical documentation in accordance with the approach

3. Course content/structure:

Indicating the equipment to work. A new approach to safety equipment for working in-law of European directives, harmonized standards. Compliance with the requirements of European directives. General principles of construction from the security machinery. Dangers and hazards created by work equipment. Accommodation of equipment operating from the standpoint of some kind of danger. Types of propulsion energy, with the specificity of protection, disturbance, and the return of the missing energy. Equipment for automatic and manual operation. Apparatus for handling equipment for work. Protective devices and locking devices. Signaling devices and control instruments. Basis risk assessment work equipment. Way to reduce and manage the remaining risks can not be solved well known technical solutions. Certain specific types of hazards (dust, physical hazards, hazardous materials, low / high temterature, dangerous radiation, ...). Maintain and transport equipment t work.

4. Teaching methods:

Theoretical part of the material with appropriate practices, to facilitate the understanding and adoption records. On laboratory exercises practically apply their knowledge on the available laboratory equipment, and the computer exercises conducted on the use of information and communication technologies in gaining knowledge from the research filed.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Computer exercise attendance | Yes | 2.00 | Written part of the exam - tasks and theory | Yes | 30.00 |
| Graphic paper | Yes | 20.00 | Oral part of the exam | Yes | 20.00 |
| Graphic paper | Yes | 20.00 | | | |
| Laboratory exercise attendance | Yes | 3.00 | | | |
| Lecture attendance | Yes | 5.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Zeljković M, Borojev LJ, Vilotić D. | Bezbednost mašina (skripta) | FTN, U pripremi | 2012 |
| 2, | Borojev LJ, Zeljković M. | Glavne karakteristike i struktura obradnih sistema | FTN, u pripremi | 2009 |
| 3, | Vilotić D., Plančak M. | Mašina za obradu deformisanjem – Krivajne prese | FTN, Novi Sad | 2010 |
| 4, | Kršljak B. | Mašine i alati za obradu drveta I, II, III | Uljarice publik, Beograd 2002 | 2002 |

Table 5.2 Course specification

| Course: | | English Language – Upper Intermediate |
|---|---|---|
| Course id: | EJ04L | |
| Number of ECTS: | 2 | |
| Teachers: | | Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta |
| Course status: | | Elective |

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

Further improvement of language skills. Developing strategies for better understanding of the written text and skills of written expression. Recognition and use of the formal and informal style of communication, as well as other forms of written expression. Developing presentation skills, expressing agreement and disagreement. Expanding vocabulary and adopting structures with gerunds and infinitives and indirect speech.

2. Educational outcomes (acquired knowledge):

Students are able to read more complex texts using helpful reading strategies. They are able to express themselves in the written form using adequate style. They are able to orally present their ideas and express their agreement or disagreement with someone else's ideas with some extent of certainty.

3. Course content/structure:

Strategies for understanding texts in the foreign language. The use of text organizer. The use of the formal and informal style and the choice of adequate register. Expanding the vocabulary related to the topics such as education, work, new technologies and discoveries, life in the future etc. Indirect speech. The use of gerund and infinitive.

4. Teaching methods:

The emphasis is placed on the student activities during class, their interactions with the teacher and between themselves. The communicative method is used in the foreign language lectures.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 70.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Michael Vince | Intermediate English Practice | Macmillan, London | 2000 |
| 2, | M. Harris, D. Mower, A. Sikorzynska | Opportunities Intermediate | Longman, London | 2005 |
| 3, | Grupa autora | Oxford English - Serbian Dictionary | Oxford University Press, Oxford | 2006 |
| 4, | John and Liz Soars | New English Headway Intermediate (odabrana poglavlja) | OUP | 2000 |

Table 5.2 Course specification

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

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

Precondition courses

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

| Knowledge evaluation (maximum 100 points) | | | | | |
|---|---|---|---|---|---|
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Test | Yes | 10.00 | Written part of the exam - tasks and theory | Yes | 35.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 35.00 |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | M.Perlmann-Balme, A. Tomaszewski, Dörte Weers | Themen aktuell 3 (Lektion 6-Lektion 10) | Hueber Verlag | 2004 |

Table 5.2 Course specification

| Course: | | Modeling and Simulation in Environmental Engineering |
|---|---|---|
| Course id: | Z307A | |
| Number of ECTS: | 7 | |
| Teacher: | | Nakomčić-Smaragdakis B. Branka |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge and preparing students for further implementation and practical work in the field of mathematical modeling, in the domain of thermal process systems and environmental protection.

2. Educational outcomes (acquired knowledge):

The acquired knowledge is used in the process of further education. During vocational courses, and future engineering practice, students will use techniques of mathematical modeling in the domain of thermo process systems and environmental protection.

3. Course content/structure:

General systems theory (development, structure and types of systems, system and environment, characteristics of the system, the principles of the system access). The tasks of analysis and synthesis of thermo process systems - TPS (TPS elements and relationships, the interaction between TPS and the environment, Classification and properties of TPS, the TPS- hierarchy). TPS efficiency criteria, limitations in the design and operation of TPS. Methods of analysis and synthesis of TPS, (flow-block scheme for solving tasks, coping physical into mathematical model-MM, the way of MM records, the objective function, equation relationship, system constraints, the optimal parameters). Mathematical models TPS (MM classification, block graphs and models, schematic, and the parameter matrix display). Mathematical models (record, steady and unsettled state of the system, the degrees number of system freedom, determining the number of parameters of TPS, methods for preparation of MM (static and dynamic models). Theoretical methods for preparation of MM (application ZOM, ZOE and ZOKK). Block diagrams of methods and methods of information variables. Experimental methods of preparation MM (active, passive, adaptation and combined). Adequacy of mathematical models (distributed and concentrated parameters). Examples of mathematical models and simulations of TPS (processes I and II).

4. Teaching methods:

Lectures, exercises, consultations. A chapter from the teaching material may be taken in the form of two colloquiums. Each colloquium consists of an oral part and tasks which must be done in writing during the semester. The complete teaching material can be taken in a written and oral form during the exam period.
The exam grade is based on the full student's engagement during the semester, the results of colloquiums and / or examination.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | J. Stevanović | Modeloavanje i simulacija procesa | Tehnološko-metalurški fakultet, Beograd | 1995 |
| 2, | B. Nakomčić | Modelovanje i simulacija sistema-skripta | Iterno izdanje FTN | 2003 |
| 3, | Đ. Bašić | Modelovanje i simulacija sistema-skripta | interno izdanje FTN | 1995 |

Table 5.2 Course specification

| | |
|---|---|
| Course: | Risks and Hazards at Work and in the Working Environment |
| Course id: ZR305 | |
| Number of ECTS: 4 | |
| Teacher: | Morača D. Slobodan |
| Course status: | Elective |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The course objective is to introduce student to the types and characteristics of risks and hazards at work and in the working environment occurring during preparation, execution and finalization of the working process in the production/service organization from the aspect of health and safety of participants and all other stakeholders in the processes. Students are enabled to indentify basic processes in organizational units of the enterprise, to determine basic characteristics of those processes from the aspect of working organization, working process, working means, raw materials and materials used, and to recognize risks and hazards typical for those processes. One of the basic objectives is systematization and unification of previously acquired knowledge about risks and hazards, acquisition of new knowledge and rising the level of awareness about direct relationship between risks and hazards at work and in the workingenvironment with the assurance of continuous process execution.

2. Educational outcomes (acquired knowledge):

The student will be ready to identify processes in the production and service organizations, to recognize and realize the importance of those processes from the aspect of health and safety protection at work and to recognize and make a selection of risks and hazards in order to create conditions for risk assessment and to establish the system for occupational health and safety protection management. Through lectures, laboratory practice and practical work students acquire knowledge about process characteristics, risks and hazards at work and in the working environment, as well as about the importance of their identification for healthier and safer working environment, continuous working process and lowering direct and indirect costs.

3. Course content/structure:

Types and characteristics of working processes in the production and service organizations; Human resources as holders of working processes; Identification of basic flows in the organization; Workplace, working environment and working conditions; Recognition and identification of risks and hazards at work and in the working environment; Types and characteristics of risks and hazards in the working processes; Mechanicals risks occurring using the working equipment; Risks occurring due to characteristics of the workplace; Risks occurring due to the use of electricity; Hazards occurring in the working process; Hazards arising from psychological and psycho physiological efforts; Hazards related to the working organization; Hazards from other persons; Working with animals; Working in special conditions.

4. Teaching methods:

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

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, | Paul A. Erickson | Practical Guide to Occupational Health and Safety | Academic Press, Elsevier Science, USA | 1996 |
| 2, | Dragutin Stanivuković, Morača Slobodan, Vulanovic Srđan | Skripta: Opasnosti i štetnosti na radnom mestu i radnoj okolini | FTN, Mašinski fakultet u kragujevcu | X |
| 3, | Pravilnik | Pravilnik o načinu i postupku procene rizika na radnom mestu i u radnoj okolini | Sl. glasnik RS, br. 72/2006 i 84/2006 - ispr. | 2006 |

Table 5.2 Course specification

| | | |
|---|---|---|
| Course: | | Material handling systems for environmental and labor protection |
| Course id: | ZRI441 | |
| Number of ECTS: | 4 | |
| Teachers: | | Hodolič J. Janko, Budak M. Igor, Vukelić B. Đorđe |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Enabling students for the selection and design elements of the device and material handling systems in the area of living and working environment.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge of elements and material handling systems and their potential application in solving environmental and engineering problems.

3. Course content/structure:

Handling systems - line systems, circuit systems, complex systems. Handling functions - functions of preparation, setting up functions, dispatch functions. Symbols for handling functions. Devices to operate in production. Pneumatic handling. Hydraulic equipment for handling. Magnetic devices for handling. Electrical devices for handling. Combined devices for handling. Logic devices for handling. Manipulating and handling equipment and systems. The issue of handling the material. The basic terms used in handling, transport and storage. Analysis and design process with material handling. Classification and characteristics manipulacionih and vehicles. Calculation of the amount of material transported by manipulating means. Basic concepts and systematization of transport vehicles and systems. Belt conveyors. Joint conveyors. Catenary conveyors. Roller conveyors. Vibratory conveyors. Machinery for handling-crushers, saws, presses, classifiers, magnets, vibrators. Designing systems to handle. Optimal case handling systems. Automation processes the system design.

4. Teaching methods:

Lectures are realized interactively through lectures, auditory, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristical exercises are covererd. Acquired knowledge is practically applied in laboratory practical classes using avalilable laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 30.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 20.00 |
| Term paper | Yes | 20.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Hodolič, J., Vukelić, Đ. | Sistemi za rukovanje - skripta | Fakultet tehničkih nauka, Novi Sad | 2011 |
| 2, | Reese, C. | Material Handling Systems | Taylor & Francis | 2000 |
| 3, | Kutz, M. | Environmentally Conscious Materials Handling | John Wiley & Sons | 2009 |

Table 5.2 Course specification

| Course: | | Process Engineering |
|---|---|---|
| Course id: | Z306A | |
| Number of ECTS: | 7 | |
| Teachers: | | Đurić N. Slavko, Petrović R. Jovan, Spasojević Đ. Momčilo |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering.

2. Educational outcomes (acquired knowledge):

A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems.

3. Course content/structure:

The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, Pi theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations which are of interest for Environmental Engineering. Division of Operations. Mechanical processing operations of interest for Environmental Engineering. Thermo process operations PT. Models for expression of intermediate exchange on the contact elements. Model of ideal (equivalent) degree. Models of diffusion separation. Diffusion process operation of interest for Environmental Engineering. Thermodynamics mixtures as a basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment.

4. Teaching methods:

Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 40.00 |
| Lecture attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |
| Test | Yes | 10.00 | Coloquium exam | No | 20.00 |
| Test | Yes | 10.00 | Oral part of the exam | Yes | 30.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | D.Voronjec, M.Kuburović | Problemi iz termodinamike višekomponentnih sistema i hemijske termodinamike | Mašinski fakultet, Beograd | 1991 |
| 2, | Milan Dimić | Procesno inženjerstvo | FTN, Novi Sad | 2005 |
| 3, | D. Đaković, M. Kljajić | Zbirka zadataka iz Procesnog inženjerstva | FTN, Novi Sad | 2005 |

Table 5.2 Course specification

| Course: | | Experimental Analysys of Safety and Health on Workplace |
|---|---|---|
| Course id: | ZR320 | |
| Number of ECTS: | 4 | |
| Teachers: | | Hodolič J. Janko, Kovač P. Pavel |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquiring basic knowledge in experiment analysis in safety and health on workplace.

2. Educational outcomes (acquired knowledge):

The knowledge acquired should enable utilization of modern experimental theory in order to rationally analyze and plan the conduct of experimental research.

3. Course content/structure:

Mathematical theory of experimental data analysis. Displaying the results of experimental research. The process of realization experimental plans. Distribution of experimental plans. Application of the experimental plans in health and safety at workplace. One factor experiment plans (regression analysis, dispersion analysis). Examples of application of the experimental analysis. Plans multifactory experiment. Multifactorial experiment plans of second order. Partial (partial) factor plane experiment. Experiment Taguchys plans and application examples. Determination of the model by applying artificial intelligence methods. Analysis and interpretation of experimental data.

4. Teaching methods:

Lectures are realized interactively through lectures, auditory, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristical exercises are covererd. Acquired knowledge is practically applied in laboratory practical classes using avalilable laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 30.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 20.00 |
| Term paper | Yes | 20.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Pavel Kovač | Metode planiranja i obrade eksperimenata | Ftn, Novi Sad | 2011 |
| 2, | Jelena Stankov | Osnovi merne tehnike-metod planiranja eksperimenta | Ftn, Novi Sad | 1982 |
| 3, | Ilija Pantelić | Primena statističkih metoda u istraživanjima procesa proizvodnje | Ftn, Novi Sad, | 1986 |

Table 5.2 Course specification

| Course: | | Security and Safety at Work in Process Plants |
|---|---|---|
| Course id: | ZRI41A | |
| Number of ECTS: | 7 | |
| Teacher: | | Đurić N. Slavko |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Introduction to students into the basic principles of security and safety in industrial and process plants.

2. Educational outcomes (acquired knowledge):

Students gain the knowledge they need in order to understand the process system and process plants. Studying this course is to enable students the necessary knowledge of security and safety in the design of process plants and equipment appropriate health and safety of such plants.

3. Course content/structure:

The concept of the system and the features of the system (the system concept, technical systems, process systems, qualitative and quantitative analysis of process systems and plants), Examples of process plants and their impact on the environment, safety and occupational health and safety in process plants, Legislation emission of gaseous pollutants, solid and liquid components in process plants, applicable regulations on security and safety in process plants.

4. Teaching methods:

Lectures, auditory exercises and consultation. Lectures: theoretical part of the curriculum. Exercises: The exercises accompanying the lecture material is elaborated with examples from practice.

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 | Oral part of the exam | Yes | 10.00 |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Đorđe Bašić | Procesni sistemi i postrojenja | Fakultet tehničkih nauka | 2005 |
| 2, | Martin Bogner | Projektovanje termotehničkih i procesnih postrojenja | ETA | 2007 |

Table 5.2 Course specification

| | |
|---|---|
| Course: | Protection System Design |
| Course id: ZR402A | |
| Number of ECTS: 4 | |
| Teacher: | Morača D. Slobodan |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The course objective is to enable students for development and establishment of the occupational health and safety management system, definition of the system characteristics and designing basic processes happening in the system. Students master the tools for development and establishment of management structures of the occupational health and safety system and acquire foundations for its integration with the organization, management and process structures of the company. During the lectures students acquire knowledge necessary for the analysis of the company condition, analysis of the working processes, determining critical process points and defining risk management system.

2. Educational outcomes (acquired knowledge):

Students will be ready to make the company condition records, to carry out process analysis in production and service companies from the aspect of occupational health and safety, to analyze harmonization of the processes with the regulations and other requirements in the give field, to recognize and identify critical points in the company's working processes and to define new, advanced structure of management processes in the company

3. Course content/structure:

Basic system elements of occupational health and safety management; Conditions for the development of the occupational health and safety system; Management of human resources and occupational health and safety; Working processes and protection at work; Analysis of forming material and energy flows from the aspect of occupational health and safety; Defining the company condition record; Defining regulations, standards and legislation in the field; Defining responsibility, rights and obligations and defining working procedures, Forming information flows; Defining general and special goals of the OH&S system; Defining plans and programs for the realization of activities; Defining the monitoring system; Establishing documentation system; Defining the foundations of the risk management system; Establishment of the motivation system; Establishment of the prevention system; Integration of the OH&S system with other management structures.

4. Teaching methods:

Lectures, Auditory practice, Computer practice and consultations. The lecturing method is based on the multimedia lectures and practice with the simulation processes, practical lectures and discussions with practical examples. In this course it is required to write the term paper about the real system. During the practice, lectures are interactive and consist of practical work within the laboratory practice. The teaching method includes at least forty percent of time devoted to the active participation of students, work in the laboratory and visits to the production and service organizations.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Computer exercise attendance | Yes | 5.00 | Oral part of the exam | Yes | 50.00 |
| Lecture attendance | Yes | 5.00 | | | |
| Term paper | Yes | 20.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | John Ridely, John Channing | Safety at Work | Butterworth-Heinemann | 2003 |
| 2, | Slobodan Moraca | Skripta: Projektovanje sistema zaštite na radu | FTN | 2010 |

Table 5.2 Course specification

| Course: | | Influence of radiation on health and occupational safety |
|---|---|---|
| Course id: | ZR440 | |
| Number of ECTS: | 4 | |
| Teachers: | | Štrbac D. Dragana, Kozmidis-Petrović F. Ana |
| 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:

Introduce students to the specific risks to health and occupational safety where there is a regular or accidental exposure to radiation.

2. Educational outcomes (acquired knowledge):

Knowing the risks, regular security measures and procedures in case of accidents at workplaces where there is exposure to radiation.

3. Course content/structure:

Types of radiation. Non-ionizing radiation. Influence of electromagnetic radiation on the human body. Preventive measures for safe work when exposed to an electromagnetic field. Ionizing radiation. Specific ionization. Detection of ionizing radiation. Ranges. Doses and dosimetry. The effects of ionizing radiation on the human body. The risks of ionazing radiation exposure for specific jobs. Radiation protection of workers in health care institutions. Radiation protection of workers in nuclear power plants. General requirements of safety from ionizing radiation. The organization of the system of protection. Medical surveillance of exposed workers. Procedures in case of high radiation levels.

4. Teaching methods:

Lectures. Excercisses. Consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Radiation and Nuclear Safety Authority (STUK), Finland | Radiation Protection of Workers at Nuclear Facilities | Radiation and Nuclear Safety Authority (STUK), Finland | 2005 |
| 2, | European Commission | Radiation Protection No 160 Technical Recommendations For Monitoring Individuals Occupationally Exposed To External Radiation | Directorate-General For Energy And Transport Directorate H — Nuclear Energy Unit H.4 — Radiation Protection, Luxemburg | 2009 |
| 3, | International Nuclear Safety Advisory Group | Basic Safety Principles for Nuclear Power Plants 75-insag-3 rev. 1 | International Atomic Energy Agency, Vienna | 1999 |
| 4, | European Commission | Radiation Protection No 166 Evaluation of the Operational Implementation of the Outside Workers Directive | Directorate-General For Energy And Transport Directorate H — Nuclear Energy Unit H.4 — Radiation Protection, Luxemburg | 2010 |
| 5, | Directorate-General for Research Euratom | The Sustainable Nuclear Energy Technology Platform | Directorate-General for Research Euratom | 2007 |
| 6, | Hunt L. J. | Radiation in the environment | Creative Commons Attribution-NonCommercial, San Francisco | 2005 |

Table 5.2 Course specification

| Course: | Occupational Safety and Protection in Working with Civil Engineering and Utility Mechanization |
|---|---|
| Course id: ZRI413 | |
| Number of ECTS: 4 | |
| Teacher: | Malešev T. Petar |
| Course status: | Mandatory |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in the field of occupational health and safety, as well as about general measures of occupational protection in handling civil engineering mechanization.

2. Educational outcomes (acquired knowledge):

The knowledge of risks present in using civil engineering and utility mechanization. The knowledge of organization of the safe construction site and workplace. The knowledge of protection equipment. Writing adequate operation and maintenance instructions. Training the operator for safe operation.

3. Course content/structure:

Introduction to the course. Working environment. Civil engineering machines and the operator as a source of risks at work. Risks caused by the working environment (safety of construction site and workplace, landslides, soil degradation, presence of pipelines and electricity lines, collision with other mobile machines). Risks caused by the machine (improper use, technical malfunction, instability of the machine, warning signs on the machine, operator`s workplace, visibility from the operator`s booth, quality of commands and signalization of working regimes and machine conditions, signalization of overload, automatic control of operations and working processes. Instructions for operation and maintenance. Ensuring the proper operation of the machine (instructions for maintenance and repair of the machine, making a record of carried out operations of maintenance and repairs, periodical check-ups of the machine). Risks caused by the operator (disrespecting instruction manual, insufficient training of the operator, avoiding of the use of the protection equipment, work under the influence of alcohol, drugs, fatigue of the operator). Measures for increasing safety in working with civil engineering mechanization.

4. Teaching methods:

Lectures, Auditory and Laboratory Practice. During lectures theoretical part of the course is presented followed by the adequate examples from practice for better understanding of the lectured material. During laboratory practice, acquired knowledge is applied on the available laboratory equipment. Besides lectures and practice, consultations are held on a regular basis.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Oral part of the exam | Yes | 50.00 |
| Lecture attendance | Yes | 5.00 | | | |
| Test | Yes | 40.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | P. Malešev | Bezbednost i zdravlje na radu sa sredstvima građevinske mehanizacije (skripta) | u pripremi | X |
| 2, | M. Plavšić | Građevinske mašine | Naučna knjiga, Beograd | X |

Table 5.2 Course specification

| Course: | | Professional Practice | | | |
|---|---|---|---|---|---|
| Course id: | ZR409 | | | | |
| Number of ECTS: | 3 | | | | |
| Teachers: | | | | | |
| Course status: | Mandatory | | | | |
| Number of active teaching classes (weekly) | | | | | |
| Lectures: | Practical classes: | Other teaching types: | Study research work: | Other classes: | |
| 0 | 0 | 0 | 0 | 3 | |
| Precondition courses | None | | | | |

1. Educational goal:

Acquiring practical knowledge about functioning and organization of the companies and institutions dealing with the profession the student is trained for, and possibilities of practical application of previously acquired knowledge.

2. Educational outcomes (acquired knowledge):

Enabling students to apply previously acquired theoretical and professional knowledge for solving specific, practical, engineering problems within the chose company or institution. Introducing students to the jobs of the chosen company or institution, to the operating methods, to the management and place and role of engineering in their organizational structures.

3. Course content/structure:

It is formed for each student individually in agreement with the company or institution management where the professional practice is done, and in accordance with the needs of the profession student is being trained for.

4. Teaching methods:

Consultations and writing of the professional practice journal where the student describes activities and jobs done during the professional practice.

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

| Literature | | | | |
|---|---|---|---|---|
| Ord. | Author | Title | Publisher | Year |

Table 5.2 Course specification

| Course: | | Science on Work |
|---|---|---|
| Course id: | ZR401A | |
| Number of ECTS: | 5 | |
| Teachers: | | Ćosić P. Ilija, Simeunović V. Nenad, Leber J. Marjan, Čuš -. Franci |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

The course objective is to master basic segments of science on work, procedures and working processes, methods and techniques for ergonomic shaping of the workplace and the working environment in the production and service systems, and to study microclimatic factors at workplace and in the working environment. The course enables acquisition of knowledge for quality design of the workplace in production or service systems, especially from the aspect of occupational health and safety.

2. Educational outcomes (acquired knowledge):

The students will be ready to recognize the process and working procedures in the production or service system and to ergonomically design the workplace where the employee won`t suffer from harmful impact of the working environment conditions. After the passed examination, the student will be able to apply acquired knowledge in the real situations.

3. Course content/structure:

The field of study and basic objectives of the science on work, Studying the work, Working procedures, Ergonomic basis for designing the workplace, Physiological working conditions, Psycho-sociological working conditions, Motivation, Working conditions (light, microclimatic working conditions, noise). Work measurement. Methods for determining working time. Future of work.

4. Teaching methods:

Lectures, Auditory practice and Consultations. The course is held through auditory lectures followed by slides and auditory practice with active participation of students. Lectures and Practice are followed by a great number of examples from practice. Besides that, the writing of the term paper is also planned as an outside-of-class activity, where students solve problems they could meet in practice. It is also planned that students make visits to companies where the will draw data for solving specific problems. The final examination consists of the written part (which is taken in the form of colloquium) and oral part of the examination.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 70.00 |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Ćosić I.Miletić LJ. | Nauka o radu | Novi Sad | 1996 |
| 2, | Leber, M., Polajnar, A. | Študij dela za delo v praksi | Fakulteta za strojništvo, Maribor | 2000 |
| 3, | Imaj, M. | Kaizen - Ključ japanskog poslovnog uspeha | Mono i Mananja, Beograd | 2008 |

Table 5.2 Course specification

| Course: | | Safety at work in metallurgy and thermochemical treatment of metal |
|---|---|---|
| Course id: | ZRI42A | |
| Number of ECTS: | 4 | |
| Teachers: | | Gerić D. Katarina, Škorić N. Branko |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

The course objective is to acquire knowledge necessary for the analysis of technological systems from the aspect of occupational health and safety and application of engineering knowledge in environmental protection.

2. Educational outcomes (acquired knowledge):

Development of the student ability for integral approach to the environmental protection, through direct application of methods, methodologies and procedures of data collection and processing and presentation of the research results of the impact of technological systems on health and safety of employees.

3. Course content/structure:

Process of obtaining steel and its impact on the living environment. Processes in the secondary metallurgy and their impact on the living environment. Criteria for the risk assessment of employee health endangerment in metallurgy systems and during thermochemical processing. Introduction to the group of chemical classified as polluting substance in the air of the living environment. Polluting substances, such as ozone, sulfur dioxide, oxides of nitrogen, carbon monoxide, zinc, cyanide, fine substances of the diameter less than 2.5 microns and meteorological circumstance are especially elaborated. Data enables for the program development of concentration reduction of the studied harmful substances from the source of pollution and efficient removal of pollutants from the living environment.

4. Teaching methods:

Lectures, Auditory and Laboratory Practice and Consultations. During lectures the following teaching units will be taught: impact assessment of present polluting substances, continuous sampling and in determined time intervals, chemical analysis (instrumental technique), data analysis processing, selection of the best methods for removal and prediction of the removal effects. During Practice characteristics of the waste will be determined, and changes of the selected waste sample will be monitored under laboratory conditions and the contents of the polluting substances and risk assessment will be determined. Besides this, the writing of the term paper outside of class is also planned, where students solve problems which they can meet in practice.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Homework | Yes | 15.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 60.00 |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Watts R. J | Hazardous waste, Sources | John Wiley & Sons, New York | 1997 |
| 2, | M. Ristić, M. Vuković | Upravljanje čvrstim otpadom, Tehnologije prerade i odlaganja, | Tehnički fakultet u Boru, Bor | 2006 |
| 3, | Drobnjak, Đ | Fizička metalurgija – fizika čvrstoće i plastičnosti | Tehnološko metalurški fakultet, Beograd | X |
| 4, | Ashby, M. F. | Materials Selection in Mechanical Design | Pergamon Press | X |

Table 5.2 Course specification

| Course: | | Ocuppational safety economics |
|---|---|---|
| Course id: | ZR411A | |
| Number of ECTS: | 5 | |
| Teacher: | | Spasić -. Dragan |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquisition of knowledge about negative economic consequences of negative working conditions, and training for the practical overview of losses and expenses and their impact on the business results.

2. Educational outcomes (acquired knowledge):

Enabling students for practical research and analysis of negative, direct consequences in the field of occupational safety, as well as an overview of negative economic consequences of accidents at work and their impact on the business results.

3. Course content/structure:

Introduction to economics of occupational safety. The concept, formation, development, methods, importance. Direct consequences. Accidents at work. Fatal injuries. Professional disease. Professional disease. Disability. Economic consequences. Losses. Expenses. Methods of calculation economic losses. The impact of occupational safety on the economic quality. The impact on productivity and economics. The impact on physical scope of production and economic results. Investments in occupational safety: the concept, importance, classification. Investments according to the period of investments – previous and later. Investments according to the purpose of investment. Economic effects of investments.

4. Teaching methods:

Professor`s lectures and presentations; Computer Practice; Term Papers; Consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Spasić, D | Ekonomika zaštite na radu | „Grafika Galeb““, Niš | 2003 |
| 2, | Spasić, D. i Avramović, D | Povrede na radu u Republici Srbiji u periodu od 1954 do 2006. godine | Fakultet zaštite na radu u Nišu, Niš | 2007 |
| 3, | Andreoni, D. | The Cost of Occupational Accidents and Diseases | International Labour Office, Geneva | 1986 |

Table 5.2 Course specification

| | | |
|---|---|---|
| Course: | | Management of safety at work process in construction |
| Course id: | ZRI43A | |
| Number of ECTS: | 4 | |
| Teachers: | | Trivunić R. Milan, Jakšić D. Željko, Dražić J. Jasmina |
| 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:

Gaining knowledge about safety and health at work risk management during the course of construction works of residential and industrial buildings, hydro-engineering, roads, railways, tunnels, etc.

2. Educational outcomes (acquired knowledge):

Capability for risk identification of health and safety at work, risk quantification of safety and health at work and planning of corrective measures during construction. Gained knowledge is directly applicable to engineering practice.

3. Course content/structure:

Introduction to risk management methods of health and safety at work, depending on the chosen building technology. General about methods of safety and health at work risk management and using them in the planning and implementation of construction projects. Construction process analysis in terms of identifying and quantifying of health and safety at work risks and the development of safety and health at work risk management plan.

4. Teaching methods:

Lectures, practical exercises, design work and consultation. In lectures, theoretical part of the subject is performed in the form of presentation of individual units with appropriate methodological practices, to enable easier understanding and adoption of subject. In practical exercises theoretical knowledge from lectures is processed with more active student participation. In addition to lectures and exercises consultation are regularly held. Student, based on the obtained information (lectures, literature, consultations and general instructions at the beginning of exercise), solves the set of tasks in form of two essays. Positively evaluated student essays are a prerequisite for taking the exam. The exam covers the entire material exposed during the semester and is taken orally. Rating exam is based on attendance of lectures and exercises, reviews of the paper and an oral exam.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Theoretical part of the exam | Yes | 50.00 |
| Lecture attendance | Yes | 5.00 | | | |
| Term paper | Yes | 20.00 | | | |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Trivunić, M., Matijević, Z., | Tehnologija i organizacija građenja-praktikum, | Fakultet tehničkih nauka Novi Sad | 2004 |
| 2, | Ćirović, G., Lazić-Vojinović, S., | Bezbednost i zaštita zdravlja na radu, | Visoka građevinsko-geodetska škola u Beogradu, Beograd | 2009 |
| 3, | Trivunić, M., Matijević, Z. | Zaštita na radu i građenje ″Internacionalni naučno-stručni skup, Građevinarstvo - nauka i praksa, zbornik radova, knjiga 2″, str. 947-952 | Univerzitet Crne Gore, Građevinski fakultet u Podgorici, Podgorica | 2005 |
| 4, | Mučenski, V., Peško, I., Trivunić, M | Sistemski pristup podeli rizika sa aspekta izvođača radova Zbornik radova građevinskog fakulteta, br. 16,str. 207-212, | Građevinski fakultet Subotica, Subotica, 2007 | 2007 |
| 5, | Mučenski, V., Trivunić, M., Peško,. I., Ajduković, M. | Primena kontrolnih listi prilikom kvalitativne procene rizika oštećenja zdravlja u građevinarstvu IV Stručni skup o bezbednosti i zdravlju na radu – Tara | Stručni skup o bezbednosti i zdravlju na radu – Tara, 2007 | 2007 |

Table 5.2 Course specification

| Course: | Occupational safety in internal transport, reloading and warehouse |
|---|---|
| Course id: ZR407A | |
| Number of ECTS: 6 | |
| Teachers: | Georgijević S. Milosav, Šostakov S. Rastislav, Vladić M. Jovan |
| Course status: | Mandatory |

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

Precondition courses: None

1. Educational goal:

Acquisition of knowledge in the field of occupational health and safety in working with the internal transportation means, working on reloading and in the warehouses.

2. Educational outcomes (acquired knowledge):

Enabling students to manage occupational health and safety operations in working with interior transportation means, in the working organization – to the user of the internal transportation means.

3. Course content/structure:

Lectures are modular,
- modules: 1. crane, 2. elevator, 3. suspended scaffold, 4. lifting working platform, 5. vehicle of internal transportation, 6. machines of continuous transportation, 7. warehouse equipment, 8. other related machines (derricks for drilling, stage equipment etc.)
-structure: introduction and introduction to the issues, working methods and obligations, basic characteristics of the equipment, specific risks of the working equipment, constructive safety measure, safety measure in exploitations (the use in accordance with the purpose, handling, overhaul and maintenance), characteristics of the job organization in carrying out safety measure, carrying out preventive and periodic check-ups and tests, working instructions and equipment documentations, specific legislation, characteristics of the procedures in case of equipment failure, accidents, risks, injuries at workplace.

4. Teaching methods:

Lectures, Auditory practice and Consultations. The course is held through auditory lectures followed by slides and auditory practice with active participation of students. Lectures and practice are accompanied by a great number of examples from practice and lecture movies. It is planned that students visit specific companies in order to draw data for solving specific problems. Besides lectures and practice, consultations are held on a regular basis. The final examination consists of four tests and project assignment defense.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Project | Yes | 30.00 |
| Lecture attendance | Yes | 5.00 | Project defence | Yes | 20.00 |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | R. Šostakov, N. Brkljač, J. Vladić, M. Georgijević | Mere bezbednosti i zdravlja na radu sa sredstvima unutrašnjeg transporta | FTN, u pripremi | 13 |
| 2, | Regulativa | Nacionalna i evropska zakonska regulativa za bezbednost i zdravlje na radu sa sredstvima unutrašnjeg transporta | X | X |

Table 5.2 Course specification

| Course: | | Bachelor Thesis |
|---|---|---|
| Course id: | Z408 | |
| Number of ECTS: | 15 | |
| 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 | 10 |

Precondition courses: None

1. Educational goal:

Application of basic, acquired knowledge and methods in solving specific problems within the chosen field. The student studies the problem, its structure and complexity, and based on the conducted analysis makes conclusions about possible ways of solving it. By studying the literature, the student is introduced to the methods of solving similar problems and to the practice in solving them. Acquiring knowledge about the way, structure and form of report-writing, after conducting analysis and other activities carried out within the given Bachelor Thesis topic. By writing the Bachelor Thesis, students gain experience in paper writing which requires problem description, methodology and procedures, and obtained results. Besides, the objective of writing and defending the Bachelor Thesis is to develop student ability to prepare and publically present results of their independent work in the adequate form, as well as to answer the objections and questions related to the given topic.

2. Educational outcomes (acquired knowledge):

3. Course content/structure:

It is formed individually in accordance with the needs and the field covered by the Bachelor Thesis topic. The student writes Bachelor Thesis in the written form in agreement with the mentor and in accordance with the standards of the Faculty of Technical Sciences. The student prepares and defends the Bachelor Thesis publically in agreement with the mentor and in accordance with the standards. The student studies professional literature, professional and Bachelor thesis of the students dealing with similar topics, and conducts analysis with an objective to find out the solution to the specific problem defined in the Bachelor Thesis.

4. Teaching methods:

Bachelor Thesis mentor sets the Bachelor Thesis problem and gives it to the student. The student is obliged to write the Bachelor Thesis within the given topic defined by the Bachelor Thesis problem. During writing the Bachelor Thesis, mentor can give additional instructions to the student, suggest certain literature and additionally guide him with an objective to create a quality Bachelor Thesis. Within the theoretical part of the Bachelor Thesis, the student has consultations with the mentor, and with other professors dealing with problems in the field of the Bachelor Thesis topic, if needed. Within the given topic, the student executes certain measurements, testing, counting, questionnaires and other research, if necessary. The student writes the Bachelor Thesis and gives the bounded examples to the board after gaining consent from the board for assessment and defense. Defense of the Bachelor Thesis is public and the student is obliged to orally answer the questions and objections

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

Table 5.2 Course specification

| Course: | | Occupational Safety Systems, Means and Equipment |
|---|---|---|
| Course id: | ZR404 | |
| Number of ECTS: | 5 | |
| Teachers: | | Hadžistević J. Miodrag, Krnjetin S. Slobodan, Đurić N. Slavko |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

The course objective is to introduce students to the types and characteristics of the systems, means and equipment of occupational safety necessary for the application in the preparation processes, in carrying out and completing working processes in accordance with regulations, standards, instructions and rules. Students are enabled to identify working processes, to recognize risks and hazards typical for the given processes and to define systems, means and equipment necessary for application during any activity of the given process.

2. Educational outcomes (acquired knowledge):

The student will be ready to indentify processes where it is necessary to establish occupational safety systems or protection mechanisms where it is necessary to use protection means and equipment. He/she will be trained to define types and characteristics of protection systems and mechanisms, as well as protection means and equipment which should be used. The student will be able to coordinate defined elements with risks and hazards occurring in the company processes and to coordinate requirements with the real possibilities of the company.

3. Course content/structure:

Types of processes, risks and hazards. Types and characteristics of protection systems and mechanisms. Application of protection systems in production and service companies. Types and characteristics of protection means. Types and characteristics of protection equipment; Systems of occupational safety in working with hazardous gases; Risks and protection measures against harmful dust and smoke; Risks and protection measures against vibrations and noise; Protection systems and protective mechanisms in application of electric devices; Harmful radiation and protection measures; Protection systems and protection mechanisms in working with manual tools; Protection systems in handling and load transport; Protection systems in closed space; Means of personal protection; Means of head protection; Means of eyes and face protection; Means of hearing protection; Means of respiratory organs protection; Means of extremities protection; Means of body protection; Means of protection against falling from the height or into deep.

4. Teaching methods:

Lectures, Auditory and Laboratory Practice and Consultations. The teaching method is based on the multimedia lectures and practice with the simulation of processes, practical lectures and discussions with practical examples. It is required to write the term paper in the real system in this course. During practice, lectures are held interactively through practical work within laboratory practice. The teaching method includes at least forty percent of the time devoted to the active participation of student, to the work in the laboratory and to the visits of production and service organizations. The written part of the examination can be taken in the form of two colloquiums, and the oral examination prerequisite is completed term paper.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |
| Lecture attendance | Yes | 5.00 | Coloquium exam | No | 20.00 |
| Term paper | Yes | 20.00 | Oral part of the exam | Yes | 70.00 |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | John Ridley,John Channing | Safety at Work | Butterworth-Heinemann An imprint of Elsevier Linacre House, Jordan Hill, Oxford OX2 8DP 200 Wheeler Road, Burlington, MA 01803 | X |
| 2, | Dragutin Stanivuković, Morača Slobodan, Vulanovic Srđan | Skripta: Sistemi, sredstva i oprema zaštite na radu | FTN, Mašinski fakultet u kragujevcu | X |
| 3, | Pravilnik | Sredstva za rad (Pravilnik o merama i normativima zaštite na radu na oruđima za rad) | Sl. list SFRJ, broj 18/91 | 1991 |
| 4, | Jeremy Stranks | The Health & Safety Handbook | Kogan Page Limited, 120 Pentonville Road, London, United Kingdom | 2006 |

Table 5.2 Course specification

| Course: | | Health and safety regulations in electrical systems |
|---|---|---|
| Course id: | ZR43A | |
| Number of ECTS: | 5 | |
| Teacher: | | Oros V. Đura |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in the field of occupational health and safety, as well as about general occupational safety measures about electricity risks in power plants and facilities.

2. Educational outcomes (acquired knowledge):

The knowledge of basic principles of electricity application. The knowledge of classification of electricity risks. The knowledge of classification of facilities on the danger zones. The knowledge of occupational safety measure in power plants. The knowledge of the means of protection.

3. Course content/structure:

Risks and hazards in the use of electricity. Classification of electricity risks and classification of facilities on the danger zones. Occupational safety measures in power plants. Occupational safety measures in the working conditions without voltage release, close to the voltage release, and under the voltage release. Protection equipment in power plants.

4. Teaching methods:

Lectures, Auditory and Laboratory Practice and Consultations. During lectures, theoretical part of the course is presented followed by adequate examples from the practice for better understanding and adoption of the lectured knowledge. During auditory practice the lectured material is elaborated in detail with active participation of students. During laboratory practice, acquired knowledge is applied in practice on the available laboratory equipment. Besides lectures and practice, consultations are held on a regular basis. The written part of the examination can be taken in the form of two colloquiums, while the final examination consists of the written and oral part.

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 | 25.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 25.00 |
| Term paper | Yes | 20.00 | | | |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Gojko Dotlić | Elektroenergetika | SMEITS | 2006 |
| 2, | Regulativa | Prateća tehnička regulativa iz oblasti primene električne energije – u vidu važećih standarda, propisa i preporuka. | X | X |

Table 5.2 Course specification

| Course: | | Occupational Safety in Agriculture and Forestry |
|---|---|---|
| Course id: | ZRI421 | |
| Number of ECTS: | 5 | |
| Teachers: | | Martinov L. Milan, Veselinov V. Branislav |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquisition of knowledge about standards, engineering methods, solution and equipment of occupational health and safety in agriculture and forestry.

2. Educational outcomes (acquired knowledge):

Knowledge about engineering methods, solutions and equipment of occupational health and safety in agriculture and forestry.

3. Course content/structure:

Course introduction, introducing students to the working methods and obligations. Basic principles of occupational safety in agriculture and forestry. National and international regulations related to occupational health and safety in agriculture and forestry. National, regional and world standards in the field of occupational health and safety in agriculture and forestry. Obligations of the machine and equipment users. Obligations of manufacturers of machines and equipment, engineering, design, passive and active protection. Measures of occupational health prevention in agriculture and forestry. Methods of testing the occupational safety fulfillment in the field of agriculture and forestry. Preparations for the term paper. A visit to the estate and consideration of implemented measures.

4. Teaching methods:

Lectures, Auditory practice and Consultations. During lectures, theoretical part of the course is presented followed by adequate examples from the practice for better understanding of the lectured knowledge. During auditory practice, the lectured knowledge is elaborated in more detail with active participation of students. Besides lectures and practice, consultations are held on a regular basis. The written part of the final examination can be taken in the form of two colloquiums. Completed and orally defended term paper is the examination prerequisite.

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 | | | |
| Project task | Yes | 30.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Martinov M, Veselinov B. | Predloške za nastavu i vežbe iz predmeta | Katedra za inž. biosistema | X |
| 2, | Tešić M, Vitorović S, Bošković B, Zrnić C. | Zaštita na radu u poljoprivredi | NIP “Zaštita rada” d.d, Beograd | 1995 |
| 3, | Propis | Propisi i standardi iz oblasti poljoprivrednih mašina | X | X |

Table 5.2 Course specification

| Course: | | Motor vehicles operation safety |
|---|---|---|
| Course id: | ZR403A | |
| Number of ECTS: | 5 | |
| Teacher: | | Časnji F. Ferenc |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquisition of wide and deep knowledge and skills in the field of occupational health and safety with motor vehicles.

2. Educational outcomes (acquired knowledge):

Ability of independent use of acquired knowledge and skills, solving routine problems and understanding of new tendencies in the safety development of motor vehicles.

3. Course content/structure:

Definition and classification of motor vehicles. Basic parts of motor vehicles. Safety in motor vehicles: national and international regulations of vehicle safety, collision and vehicle overturn, protective structures of the vehicle, safety belts, airbags, bumpers, seats, helmets, systems of active safety (ABS and ESP). Health protection in motor vehicles: noise in vehicles (sources of noise, harmful effects of noise, ways of decreasing internal noise of the vehicle), mechanical oscillations of the vehicle (sources, harmful effects, reduction of the mechanical oscillations of the vehicle), microclimate in vehicles (the warm feeling and comfort of the people, normalization of the microclimate in vehicles, ventilation, heating and air conditioning).

4. Teaching methods:

Lectures, Auditory Practice and Consultations

| Knowledge evaluation (maximum 100 points) | | | | | |
|---|---|---|---|---|---|
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Exercise attendance | Yes | 5.00 | Oral part of the exam | Yes | 70.00 |
| Lecture attendance | Yes | 5.00 | | | |
| Test | Yes | 10.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Časnji F., Ružić D. | Oprema motornih vozia (skripta) | FTN - Novi Sad | X |
| 2, | Časnji F., Klinar I., Muzikravić V. | Savremene tendencije u automobilskoj tehnici | DDOR Novi Sad | X |

Table 5.2 Course specification

| Course: | | Protection from the harmful effects of electricity in the application of power converters |
|---|---|---|
| Course id: | ZR405A | |
| Number of ECTS: | 5 | |
| Teacher: | | Oros V. Đura |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge in the field of detrimental effects of electricity, as well as possible electricity hazards in the application of electrical power converters.

2. Educational outcomes (acquired knowledge):

The knowledge of basic principles in the application of electricity. The knowledge of basic principles, powering methods and distribution of electricity for power converters. Introduction to the basic elements in the systems with power converters. The knowledge of harmful effects of electricity in the systems with power converters. The knowledge of basic measures for removal of possible detrimental effects of electricity in the systems with power converters.

3. Course content/structure:

Basic application principles of electricity. Powering methods and distribution of electricity for the power converters. Basic elements in the systems with power converters. Harmful effect of electricity in the systems with power converters. Measures of preventing harmful effects of electricity in the systems with power converters.

4. Teaching methods:

Lectures, Auditory and Laboratory Practice and Consultations. During lectures, theoretical part of the course is presented followed by adequate examples from the practice for better understanding and adoption of the lectured knowledge. During auditory practice, lectured material is elaborated in detail with active participation of students. During laboratory practice acquired knowledge is applied in practice on the available laboratory equipment. Besides lectures and practice, consultations are held on a regular basis. Written part of the examination can be taken in the form of colloquiums, while the final examination consists of the written and oral part.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 25.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 25.00 |
| Term paper | Yes | 20.00 | | | |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | E. Levi, V. Vučković, V. Strezoski | Osnovi Elektroenergetike (Elektroenergetski pretvarači) | STYLOS | 2004 |
| 2, | Regulativa | Prateća tehnička regulativa iz oblasti primene električne energije – u vidu važećih standarda, propisa i preporuka. | | X |

Table 5.2 Course specification

| | |
|---|---|
| Course: | Safety and security at work in the field of traffic engineering |
| Course id: ZRI422 | |
| Number of ECTS: 5 | |
| Teacher: | Jovanović M. Dragan |
| Course status: | Elective |

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The study of the forms (phenomenology), the causes, conditions, and other factors which created the appearance that threaten people and property in traffic, with special emphasis on the study of traffic accidents. Acquiring knowledge about prevention possibilities in companies and traffic safety. Implementation of measures to prevent the number of work accidents and injuries associated with traffic.

2. Educational outcomes (acquired knowledge):

Possibility for professional overview on complex law in the origination of reasons that endanger people and property in traffic. Acquiring knowledge on the modes of determining the degree of risk in traffic. Possibility for rational management of traffic safety resources. Acquiring knowledge on the development and application of contemporary technologies in traffic management and control, i.e. intelligent transport systems, in order to create possibilities for rational, economic and safe traffic flows.

3. Course content/structure:

Object of study. The methods of traffic safety. The term phenomenology of accidents. Accident. The consequences of accidents. Measurement of traffic safety. Risk in traffic. The most important factors of traffic accidents. Traffic safety management. Traffic safety measures. Internal control of road safety in enterprises.

4. Teaching methods:

Lectures, auditory and computer practice. Within the course, students should complete a seminar paper where they will apply acquired knowledge in the analysis of traffic accidents.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Exercise attendance | Yes | 5.00 | Written part of the exam - tasks and theory | Yes | 25.00 |
| Lecture attendance | Yes | 10.00 | Oral part of the exam | Yes | 30.00 |
| Term paper | Yes | 20.00 | | | |
| Test | Yes | 10.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Milan Inić | Bezbednost drumskog saobraćaja | Fakultet tehničkih nauka | 2004 |
| 2, | Krsto Lipovac | Bezbednost saobraćaja | Službeni glasnik | 2008 |

Table 5.2 Course specification

| Course: | | Safety at work on the machines for processing |
|---|---|---|
| Course id: | ZR408A | |
| Number of ECTS: | 5 | |
| Teachers: | | Tabaković N. Slobodan, Vilotić Ž. Dragiša, Zeljković V. Milan |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Acquisition of knowledge about the way of functioning of the cutting machines and non-cutting machines in the metal processing industry and about safety and protection principles of the user and the environment, as well as in the field of functioning and principles of safety and protection of the user and the environment in the wood, plastic and other materials processing machines.

2. Educational outcomes (acquired knowledge):

The knowledge of the working principles and protection of the user on the material processing machines in the metal processing industry and methodology for machine safety testing. The knowledge of working principles, machine testing methodology and protection of the users on the wood, plastic and other material processing machines.

3. Course content/structure:

Systematization of the processing procedures and machines in the metal processing industry. Systematization of the procedures and machines in the wood, plastic and other material processing industries. Methods of functioning of certain types of processing machines in industry. Standards for machine safety. General principles for designing protection systems on the machines. Risk reduction by adequate design. Defining sources and risk zones, methods of protection on some machines depending on the level of automatization. Protective devices and protective blocks in some machine types for material processing in industry. Methods of functioning of some types of machines for wood, plastic and other material processing. Defining sources and risk zones, methods of protection on some wood, plastic and other material processing machines. Protection devices and protection blocks in some machines types for wood, plastic and other material processing. Risk assessment of the machines. Instruction manual for safe operation and maintenance.

4. Teaching methods:

Theoretical part of the material with appropriate practices, to facilitate the understanding and adoption records. On laboratory exercises practically apply their knowledge on the available laboratory equipment, and the computer exercises conducted on the use of information and communication technologies in gaining knowledge from the research filed.

Knowledge evaluation (maximum 100 points)

| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|---|---|---|---|---|---|
| Computer exercise attendance | Yes | 2.00 | Written part of the exam - tasks and theory | Yes | 30.00 |
| Graphic paper | Yes | 20.00 | Oral part of the exam | Yes | 20.00 |
| Graphic paper | Yes | 20.00 | | | |
| Laboratory exercise attendance | Yes | 3.00 | | | |
| Lecture attendance | Yes | 5.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Zeljković M, Borojev LJ, Vilotić D. | Bezbednost mašina (skripta) | FTN, u pripremi | 2009 |
| 2, | Borojev LJ, Zeljković M. | Glavne karakteristike i struktura obradnih sistema | FTN, u pripremi | 2009 |
| 3, | Vilotić D., Plančak M. | Mašina za obradu deformisanjem – Krivajne prese | FTN, Novi Sad | 2010 |
| 4, | Kršljak B. | Mašine i alati za obradu drveta 1, 2, 3 | uljarice publik, Bgd | 2002 |

Table 5.2 Course specification

| Course: | | Toxicology |
|---|---|---|
| Course id: | ZRI433 | |
| Number of ECTS: | 5 | |
| Teacher: | | Prokeš L. Bela |
| Course status: | | Elective |

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

Precondition courses: None

1. Educational goal:

Knowledge about harmful effects of chemical substances in working environment on living organism, and the consequences of the effects. Also, student will be thought about prevention actions in case of poisoning

2. Educational outcomes (acquired knowledge):

Students will be able to perceive effects of chemical hazards, group of them or particular one, on human organs and tissues. Also, they will be able to apply corrective measures regarding the chemical hazards

3. Course content/structure:

Study the effects of chemicals on organisms and characteristics that determine the ability of a substance to cause adverse effects on living organisms. Examines the nature, frequency and mechanisms of these changes, as well as factors that influence the direction and intensity of development. We examine the definition of poison, dose ratio - effect of chemical substances, ie. quantity of chemical substances whose introduction into the human body during their working life does not manifest adverse effects on health. Studied the entry of the body, the distribution of it, the mechanisms of harmful effects, and ways of eliminating toxins. In particular, studying the toxic effects of poisons: the nervous system, cardiovascular system, kidneys, liver, reproductive system. Studying the adverse effects of pesticides, metals, organic solvents and toxic gases. Explain the methods for studying these effects and determine the reversibility of these effects spontaneously or through appropriate antidotes. The study of general and specific (medical) measures to prevent poisoning

4. Teaching methods:

Lectures, consultations and laboratory 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 | 50.00 |
| Lecture attendance | Yes | 5.00 | Oral part of the exam | Yes | 20.00 |
| Term paper | Yes | 20.00 | | | |

Literature

| Ord. | Author | Title | Publisher | Year |
|---|---|---|---|---|
| 1, | Mirjana Arandelović , Jovica Jovanović | Medicina rada | Medicinski fakultet Niš | 2009 |
| 2, | Metodi I Mikov | Medicina rada | Ortomediss Novi Sad | 2007 |

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme of the undergraduate academic studies is in accordance with the modern world trends and the profession and sciences and it is comparable to the similar programmes at international university institutions, especially within the European educational framework.
The study programme is in accordance with the European standards in the sense of enrolment conditions, level and duration of education of Occupational Safety Engineering, conditions of advancing to the next year, as well as the way of acquiring the diploma. It is evident that the study programme contains proportionally similar share in academic-educational, theoretical-methodological, scientific-professional, professional-applicative and elective courses when compared to the contents of other institutions. Students of the Faculty of Technical Sciences spend proportionally equal time in direct practice like the colleagues educating themselves for the same profile abroad. Although the professional practice is less present during the first semesters of study, it is gradually intensified and is mostly present in the part of the programme consisting of the professional-applicative disciplines, thus connecting scientific knowledge from the previous fields and professional skills and professional practice. In the same way, students of the Faculty of Technical Sciences face the same requirements as the students from other similar international institutions when it comes to the scope, quality and duration of writing the bachelor thesis.
University of Stuttgart, Germany
http://www.uni-stuttgart.de/stg-umw/downloads/ausland/ECTS_5_5_2006.pdf

University of Technology in Rzeszow, Poland
http://www.prz.edu.pl/en/guide/index.php?page=CaEE/EE/main

University of Lodz, Poland
http://ectslabel.p.lodz.pl/ProgramyStudiowJSP/?l=en&s=programSiatka&w=WIP&p=1111

Standard 07. Student Enrollment

Each year a certain number of students are enrolled to the Faculty of Technical Sciences on the undergraduate studies of Occupational Safety Engineering, 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. Student selection, from the list of applied candidates, is carried out based on the success during previous education and success at the enrolment examination defined by the Regulations of Student Enrolment to the Study Programmes.

Students from other study programs as well as persons who have completed studies may be enrolled to the study program of Occupational Safety. 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 Occupational Safety Engineering, 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 Occupational Safety Engineering, 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: | Adžić Z. Nevenka |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 15.09.1978 |
| Scientific or art field: | Mathematics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2002 | Faculty of Technical Sciences - Novi Sad | Mathematics |
| PhD thesis | 1990 | Faculty of Sciences - Novi Sad | Mathematical Sciences |
| Magister thesis | 1986 | Faculty of Sciences - Novi Sad | Mathematical Sciences |
| Bachelor's thesis | 1976 | Faculty of Sciences - Novi Sad | Mathematical Sciences |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E121 | Mathematical Analysis 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 2. | E221A | Mathematical Analysis 2 | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 3. | GG10 | Mathematical Methods 3 | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 4. | M106 | Mathematics 2 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | S017 | Mathematics 2 | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 6. | S0213 | Mathematical Statistics | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 7. | Z104 | Mathematics 1 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | BMI91 | Mathematics 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 9. | BMI92 | Mathematics 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 10. | E101A | Discrete Mathematics | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 11. | IM1012 | Probability and Statistics | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 12. | IM1523 | Discrete Mathematics | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>(I20) Engineering Management, Undergraduate Academic Studies |
| 13. | P216 | Numerical Analysis | ( P00) Production Engineering, Undergraduate Academic Studies |
| 14. | 0M517 | Numerical Analysis | ( OM1) Mathematics in Engineering, Master Academic Studies |
| 15. | 0ML517 | Numerical Analysis | ( OM1) Mathematics in Engineering, Master Academic Studies |
| 16. | DZ01MS | Selected Chapters in Mathematics | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies<br>( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies<br>( Z00) Environmental Engineering, Specialised Academic Studies |
| 17. | D0M24 | Numerical Solutions of Differential Equations | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 18. | DZ01M | Selected Chapters in Mathematics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies<br>( E20) Computing and Control Engineering, Doctoral Academic Studies<br>( F00) Graphic Engineering and Design, Doctoral Academic Studies<br>( F20) Engineering Animation, Doctoral Academic Studies<br>( G00) Civil Engineering, Doctoral Academic Studies<br>( GI0) Geodesy and Geomatics, Doctoral Academic Studies<br>( H00) Mechatronics, Doctoral Academic Studies<br>( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies<br>( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( S00) Traffic Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 19. | AID06 | Graph theory | ( F20) Engineering Animation, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | N. Adzic, On the spectral solution for boundary value problem, ZAMM 70,(1990) 6, T647-T649. |
| 2. | V. Vrcelj, N. Adzic, Z. Uzelac: A numerical asymptotic solution for singular perturbation problems, International journal of computer mathematics, Vol.39, (1991) 229-238. |
| 3. | N. Adzic: Modified hermite polynomials in the spectral approximation for boundary layer problems, Bulletin of the Australian mathematical society, Vol.45, (1992) 267-276.<\eng> |
| 4. | N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624. |
| 5. | N. Adzic: Nonclassical orthogonal polynomials and singularly perturbed problems, ZAMM73(1993) 7/8, T868-T871. |
| 6. | N. Adzic: Spectral approximation and asymptotic behaviour of boundary layer problems, ZAMM74(1994)6, T-553-T555. |
| 7. | N. Adzic, Z. Uzelac: A combination of spline and spectral approximation for a class of singularly perturbed problems, ZAMM78 (1998), S853-S854 |
| 8. | Z. Uzelac, N. Adzic: The Approximate Solution for Problems with Nonlocal Boundary Conditions, ZAMM79 (1999), S881-S882 |
| 9. | N. Adzic, Z. Uzelac: On spectral approximation for some two-dimensional singularly perturbed problems, ZAMM79 (1999), S851-S852 |
| 10. | N. Adzic: On the spectral approximation for singularly perturbed problems,ZAMM 71(1991)6,T773-T776. |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 5 | | | |
| Total of SCI(SSCI) list papers : | 10 | | | |
| Current projects : | Domestic : | 2 | International : | 0 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Berić B. Andrijana |
| Academic title: | Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 04.11.2004 |
| Scientific or art field: | German |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | German |
| Master's thesis | 2009 | Faculty of Philology - Beograd | German |
| Bachelor's thesis | 2003 | Faculty of Philosophy - Novi Sad | German |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | F330 | German Language – LSP Course 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 2. | F331 | German Language – LSP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 3. | NJ01Z | German Language – Elementary | ( A00) Architecture, Undergraduate Academic Studies<br>( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | NJ02L | German Language – Pre-Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 5. | NJ03Z | German Language – Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | NJ04L | German Language – Upper-Intermediate | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | NJ05 | German Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 8. | NJ06 | German Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 9. | NJ1L | German Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 10. | NJT1 | German Language for Engineers 1 | ( H00) Mechatronics, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | SSIP22 | German Language for Engineers 1 | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 12. | NJ01Z | Nemački jezik - osnovni(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 13. | NJ02L | Nemački jezik - niži srednji(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 14. | NJ03Z | Nemački jezik - srednji(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 15. | NJ04L | Nemački jezik - napredni srednji(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 16. | NJT1 | Nemački jezik u tehnici 1(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 17. | NJ02L | German Language – Pre-Intermediate | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 18. | NJIIM | German for Specific Purposes | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 19. | F508 | German Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 20. | nja | German Language in Architecture | (AH0) Architecture, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Prevod: Inovacije i trendovi u proizvodnji alatnih mašina |
| 2. | Prevod: Inženjerstvo mehatroničnih sistema |
| 3. | Prevodi za Pro Elektro (u toku) |
| 4. | Prevod: Arbeitszenarien und Optimierung von Abläufen und Steuerung von selbstorganisierenden Bionic Assembly System in CIM Umgebung (u toku) |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Bogdanović Ž. Vesna |
| Academic title: | Senior Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 15.12.1999 |
| Scientific or art field: | English |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | English |
| Magister thesis | 2007 | Faculty of Philosophy - Novi Sad | English |
| Bachelor's thesis | 1999 | Faculty of Philosophy - Novi Sad | English |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | AEJ1L | English Language - Elementary | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | AEJ2L | English Language intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 3. | AEJ2Z | English intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 4. | AEJ3Z | English Language - upper intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 5. | EJ01L | English Language – Elementary | ( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 6. | EJ01Z | English Language - Elementary | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | EJ02L | English Language – Pre-Intermediate | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 13. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 14. | EJ3L | English Language – Advanced | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 15. | EJE5 | English Language – First Certificat 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 16. | EJE6 | English Language - First Certificate 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 17. | EJEI | English Language for Engineers | ( H00) Mechatronics, Undergraduate Academic Studies |
| 18. | EJEI1 | English in Engineering 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 19. | EJEI2 | English in Engineering 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 20. | EJF5 | English Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 21. | EJF6 | English Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 22. | EJGR | English Language – ESP Course | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 23. | EJM | English Language – ESP Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 24. | EJPST | English Language in Postal Traffic | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 25. | EJSIT | English Language in Traffic and Transport | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |
| 26. | EJZ | English Language - Specialized | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 27. | F320 | English Language – ESP Course 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 28. | F321 | English Language – ESP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 29. | ISIT07 | English Language 2 | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 30. | ASI381 | English language 1 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 31. | ASI431 | English Language 2 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 32. | BMI80 | English 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 33. | BMI81 | English 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 34. | EJIIM | English for Specific Purposes | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 35. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 36. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 37. | eja | English Language – a Specialized Course | (AH0) Architecture, Master Academic Studies |
| 38. | EJE7 | English Language - Advanced | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 39. | F507 | English Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 40. | NIT03 | Business English | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | Vesna Marković, English in Civil Engineering, FTN Izdavaštvo, Novi Sad, 2004. |
| 2. | Vesna Bogdanović, Ivana Mirović, Engleski jezik za grafičko inženjerstvo i dizajn 1, FTN Izdavaštvo, Novi Sad, 2007. |
| 3. | Ivana Mirović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN Izdavaštvo, Novi Sad, 2008 |
| 4. | Vesna Marković, English in Civil Engineering, drugo izdanje, FTN Izdavaštvo, Novi Sad, 2008. |
| 5. | University of Novi Sad, Faculty of Technical Sciences, prevele: Marina Katić, Vesna Marković, Ivana Mirović, Fakultet tehničkih nauka, Novi Sad, 2004. |
| 6. | Mr Vesna Bogdanović, Pačvork romani Alis Voker i Toni Morison, Beograd: Zadužbina Andrejević, 2009, ISBN 978-86-7244-743-9 |
| 7. | Bogdanović Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbenika za stručni engleski jezik za studente različitog predznanja, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 445-454 |
| 8. | Mirović Ivana, Bogdanović Vesna, Ličen Branislava, Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 170-176 |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 9. | Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 329-332 |
| 10. | Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 705-712 |

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

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)


1. Bojović, V., Borocki, J., Mirosavljev, M., Radovanović J., Rašković, V., Šenk, V., VODIČ ZA INOVATIVNE PREDUZETNIKE
2. Borocki, J., Cosic, I., Lalic, B., Maksimovic, R., Analysis of company development factors in manufacturing and service company: a strategic approach, Strojniski vestnik - Journal of Mechanical Engineering, 0039-2480, pp.55-68
3. Katic (Drezgic) I., Borocki J., Zekic S., Penezic N.: Entrepreneurship significance in restructuring process, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 902-907, ISSN 1840-1503
4. Raskovic, V., Senk, V., Borocki, J., Cosic, I.: PROMOTING ENTREPRENEURIAL THINKING IN WOULD-BE AND EXISTING HIGH-TECH COMPANIES IN SERBIA, Promoting Entrepreneurship by Universities, Hämeenlinna, Finland: FINPIN, HAMK University of Applied Sciences and Häme Convention Bureau, april, 2008, pp. 83- 90, ISBN 978-951-827-096-9.
5. Djakovic, V., Andjelic, G., Borocki, J., Performance of extreme value theory in emerging markets: an empirical treatment, African Journal of Business and Management, ISSN: 1993-8233
6. Vidicki P., Borocki J., Senk V., Raskovic V.: Innovation activities in enterprise: different models of measurement, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Science, September 14-16, 2011, pp. 473-478, ISBN 978-86-7892-341-8, UDK: 658.5
7. Borocki J., Senk V.: ANALYSIS OF INNOVATION FACTORS OF MICRO AND SMALL COMPANIES: A STRATEGIC APPROACH, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: Proceedings of the 3rd nternational Conference on Entrepreneurs, Innovation and Regional Development - ICEIRD 2010, Novi Sad, Faculty of Technical Sciences, Department of Industrial Engineering and Management, 27-29 Maj, 2010, pp. 61-68, ISBN 978-86-7892-250-3
8. Borocki, J., Maksimovic, R.: STRATEGIC PLANNING IN A FUNCTION OF ORGANIZATIONAL INNOVATIVENESS, International Conference on INDUSTRIAL SYSTEMS IS'08, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 02-03. October, 2008, pp. 415- 420, UDK: 658.5(082), ISBN 978-86-7892-135-3.

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 9. | Borocki J., Raskovic V., Senk V.: EDUCATING WOULD-BE AND EXISTING HIGH- TECH ENTREPRENEURS IN THE MARKET AND BUSINESS AREA , 1. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Skoplje: Business Start-up Centre, University "Ss. Ciril and Methodius" - Skopje, 9-11 Maj, 2008, pp. 72-77, ISBN 978-9989-2636-4-4, UDK: 001.896(062),005(062),005.591(062),334.722(062) |
| 10. | Borocki J.: Doktorska disertacija Naziv: RAZVOJ MODELA STRATEGIJSKOG PLANIRANJA U FUNKCIJI INOVATIVNOSTI PREDUZEĆA, Novi Sad, 2009 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 0 | | | |
| Total of SCI(SSCI) list papers : | 3 | | | |
| Current projects : | Domestic : | 2 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Budak M. Igor |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 06.09.2001 |
| Scientific or art field: | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| PhD thesis | 2009 | Faculty of Mechanical Engineering - Ljubljana | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| Magister thesis | 2004 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |
| Bachelor's thesis | 1998 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | IA018 | 3D Digitalization Methods | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 2. | P1401 | Fixture Design and Measuring Machines | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P1508 | Reverse Engineering and CAQ | ( P00) Production Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 4. | P209 | Measurements and Quality | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P306 | Fixtures | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | Z207 | Mechanical Engineering in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z207A | Mechanical Engineering in Environmental Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | Z301 | Pollution Measurement and Control | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | Z416 | EMS Systems | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | ZRI441 | Material handling systems for environmental and labor protection | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | Z416 | EMS sistemi(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 12. | BM119D | Reverse engineering and rapid prototyping in biomedical engineering | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 13. | P322 | Introduction to Precision Engineering | ( P00) Production Engineering, Undergraduate Academic Studies |
| 14. | ZC036 | Measurement and control of pollution | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 15. | P1409 | Material Control Systems and CAI | ( PM0) Production Engineering, Master Academic Studies |
| 16. | P1501 | Ecological Technologies and Systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 17. | Z416A | Environment Protection System Management | ( PM0) Production Engineering, Master Academic Studies |
| 18. | I907 | Automated Assembly Systems for High Accuracy | ( H00) Mechatronics, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 19. | P321 | Reverse Engineering and Rapid Prototyping | ( I10) Industrial Engineering, Master Academic Studies |
| 20. | PIP16 | Plastics and environmental protection | ( PM0) Production Engineering, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 21. | PLIS1 | Logistics and Simulation in Technologies of Plastics Processing | ( PM0) Production Engineering, Master Academic Studies |
| 22. | PP103 | Measurement and tools in precision engineering | ( PM0) Production Engineering, Master Academic Studies |
| 23. | SM3 | Software support for reverse engineering and CAQ | ( PM0) Production Engineering, Master Academic Studies |
| 24. | SZSP18 | Contemporary scientific approaches in life cycle assessment of products (LCA) | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 25. | DM411 | Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 26. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 27. | DP006 | State and development trends of metrology, quality and fixtures | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 28. | DP013 | Ecological Engineering Aspects | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 29. | DP019 | Selected topics in technical diagnosis | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 30. | ZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 31. | ZSP18 | Modern Scientific Approaches in Product Life Cycle Assessment (LCA) | ( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Budak I., Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220
2. Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593
3. Kosec G., Nagode A., Budak I., Antić A., Kosec B.: Failure of the pinion from the drive of a cement mill, Engineering Failure Analysis, 2011, Vol. 18, pp. 450-454, ISSN 1350-6307
4. Budak I., Soković M., Barišić B.: Accuracy improvement of point data reduction with sampling-based methods by Fuzzy logic-based decision-making, MEASUREMENT, 2011, Vol. 44, No 6, pp. 1188-1200, ISSN 0263-2241
5. Budak I., Hodolič J., Soković M.: Development of a programme system for data-point pre-processing in Reverse Engineering, Journal of Materials Processing Technology, 2005, Vol. 162, pp. 730-735, ISSN 0924-0136
6. Jevremović D., Puškar T., Budak I., Vukelić Đ., Kojić V., Eggbeer D., Williams R.: An RE/RM approach to the design and manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy, Materijali in tehnologije, 2012, Vol. 46, No 2, pp. 123-129, ISSN 1580-2949
7. Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871
8. Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolič J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651
9. Vukelić Đ., Miljanić D., Ranđelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of workpiece penetration (Article in press, date of acceptance 28.08.2012, Manuscript Number: MIT-45-2012), Materijali in tehnologije, 2012, ISSN 1580-2949
10. Vukelić Đ., Tadić B., Miljanić D., Budak I., Todorović P., Ranđelović S., Jeremić B.: Novel workpiece clamping method for increased machining performance, Tehnički vjesnik-Technical Gazette, 2012, Vol. 19, No 4, pp. 837-846, ISSN 1330-3651.


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 25 | | | |
| Total of SCI(SSCI) list papers : | 20 | | | |
| Current projects : | Domestic : | 4 | International : | 7 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Bukurov Ž. Maša |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.11.1993 |
| Scientific or art field: | Applied Fluid Mechanics - Hydro Pneumatic Technics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Applied Fluid Mechanics - Hydro Pneumatic Technics |
| PhD thesis | 2004 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |
| Magister thesis | 1998 | University of Novi Sad - Novi Sad | Environment Protection Engineering |
| Bachelor's thesis | 1993 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M205 | Fundamentals of Fluid Mechanics | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | M205L | Fundamentals in Fluid Mechanics | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | M212 | Fluid Mechanics 1 | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 4. | M3301 | Pumping and Compression Stations | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 5. | M3306 | Devices for Mechanical Purification | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 6. | M3403 | Fluid Machines | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 7. | M3453 | Measurement of fluid properties | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 8. | URZP14 | Fundamentals of Mechanical Engineering | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 9. | M3203 | Technology of machinery | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 10. | M3401 | Fluid Mechanics 2 | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 11. | M3496 | Pipeline Transportation | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 12. | M3553 | Pipe Networks Modelling | ( M30) Energy and Process Engineering, Master Academic Studies |
| 13. | M3513 | Computational Fluid Dynamics | ( M30) Energy and Process Engineering, Master Academic Studies |
| 14. | S0MI12 | Theory of ship's motion and maneuverability | ( S00) Traffic and Transport Engineering, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | M. Milankov, Maša Bukurov, A. Jovanović, T. Somer, EXPERIMENTAL STUDY OF THE HYDRODINAMIC EFECTS OF IRRIGATION SUCTION DRAINAGE, Arch Orthop Trauma Surg 116 (4), p. 299-304, 1997. |
| 2. | Maša Bukurov, Ž Bukurov, M. Lekić, D. Stojković, TRANSPORTATION BY RIVER IN FUNCTION OF ECO PROTECTION AND MORE EFFICIENT USAGE OF WATER WAYS, First European Inland Waterway Navigation Conference, Balatonfured, Jun, 9-11, 1999. |
| 3. | Maša Bukurov, S. Tašin, B. Todorović, EFFICIENCY RATE OF STEAM-WATER INJECTOR FOR HOT WATER TRANSPORTATION, Proceedings of PSU-UNS International Conference 2003 ”ENERGY AND ENVIRONMENT” Thailand, Dec. 2003, PSUUNS 03021, p.126-129 |
| 4. | Maša Bukurov, S. Bikić, B. Todorović, S. Tašin, TRANSFORMATION OF STEAM ENERGY IN JET PUMP – EFFICIENCY RATE, 25th Yugoslav Congress on Theoretical and Applied Mechanics, Novi Sad, Jun, 2005 |
| 5. | M. Effenberger, A. Gronauer, Maša Bukurov, CONTRIBUTION TO ENVIRONMENTAL PROTECTION BY USAGE OF BIOGAS, Journal on Processing and Energy in Agriculture, 1450-5029 (2004) 8, 3-4, p.69-71 |
| 6. | Maša Bukurov, ENERGETSKO-EKOLOŠKO POBOLJŠANJE LINIJE ZA PROIZVODNJU KLINKERA SUVIM POSTUPKOM U FABRICI CEMENTA, magistarski rad, Univerzitet u Novom sadu, Centar za interdisciplinarne i multidisciplinarne studije inženjerstva zaštite životne sredine, 1998. |
| 7. | Siniša Bikić, Maša Bukurov, IMPORTANCE OF OPEN CHANNEL CALIBRATION IN FLOW RATE MEASURING, Scintific conference 2, 2006, Rousse. (proceedings, volume 45, book 1, ISSN 1311-3321) |
| 8. | Ž. Bukurov, Maša Bukurov, B. Todorović, S. Bikić, ZAKONITOSTI TRANSFORMACIONOG PROCESA ENERGIJE PARE U ENERGIJU PRITISKA KROZ PARO-VODENU MLAZNU PUMPU, Industrijska energetika 2004, Lepenski vir, oktobar 2004 |
| 9. | Maša Bukurov, Istraživanje svojstava nadyvučnog paro-vodenog injektora, doktorska disertacija, Fakultet tehničkih nauka, Novi Sad, 2004. |
| 10. | 38.Ž. Bukurov, Maša Bukurov, B. Todorović, S. Bikić, PODLOGE ZA ISTRAŽIVANjE ENERGIJSKO-STRUJNIH KARAKTERISTIKA U NADZVUČNOJ KOMORI ZA MEŠANjE PARO-VODENE MLAZNE PUMPE, Industrijska energetika 2004, Lepenski vir, oktobar 2004 |

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 6. | ČUŠ, Franc, ŽUPERL, Uroš. Approach to optimization of cutting conditions by using artificial neural networks. J. mater. process. technol.. [Print ed.], 2006, vol. 173, iss. 3, str. 281-290. |
| 7. | ČUŠ, Franc, BALIČ, Jože, ŽUPERL, Uroš. Hybrid ANFIS-ants system based optimisation of turning parameters. J. Achiev. Mater. Manuf. Eng., Sep. 2009, vol. 36, iss. 1, str. 79-86. |
| 8. | ŠOSTAR, Adolf, ČUŠ, Franc. Vpliv toplotne obdelave na obdelovalnost materialov pri vrtanju. Stroj. vestn., 1983, let. 29, št. 10-12, str. 215-218. [COBISS.SI-ID 3324444] |
| 9. | ŠOSTAR, Adolf, ČUŠ, Franc. Načrtovanje preizkusov in izračun eksponentov za optimiranje odrezovanja. Stroj. vestn., 1984, let. 30, št. 9-10, str. 197-203. [COBISS.SI-ID 3324700] |
| 10. | ČUŠ, Franc. Odvisnosti in zakonitosti postopka čelnega frezanja. Stroj. vestn., 1986, 32, št. 4/6, str. 60-63. [COBISS.SI-ID 94468] |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 21 | | | |
| Total of SCI(SSCI) list papers : | 28 | | | |
| Current projects : | Domestic : | 0 | International : | 1 |

Science, arts and professional qualifications

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M316 | Production Systems | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 2. | II1017 | Production System Design | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 3. | II1053 | Production Systems | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | IM1027 | Production systems | ( I20) Engineering Management, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 5. | IM1039 | Fundamentals of Operations management | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 6. | IM1116 | Work Study and Ergonomics | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>(I20) Engineering Management, Undergraduate Academic Studies |
| 7. | ZR401A | Science on Work | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | IMDR0S | Selected chapters in enterprise's design, organization and control | ( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies |
| 9. | IMDSPI | Selected Chapters in Design for Excellence | ( I12) Industrial Engineering, Specialised Academic Studies |
| 10. | IS001 | Effective management | ( I20) Engineering Management, Specialised Professional Studies<br>( IB0) Engineering Management - MBA, Specialised Professional Studies |
| 11. | ZR502 | Occupational Risk Assessment | ( Z01) Safety at Work, Master Academic Studies |
| 12. | IIDS5 | Selected chapters in enterprise's design, organization and control | ( I12) Industrial Engineering, Specialised Academic Studies |
| 13. | IIDS9 | Effective Production and Service Systems | ( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies |

# Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Safety at Work

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

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

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | Ćosić I.: Development of Knowledge-Based Syslem for the Configuralion of Assembly Systems, Knowledge-Based Selection arid Arragement of Parts Bins at Assembly Workplaces (TEBES) - Europian Communities Brusseles, 1991 |
| 2. | Suzić N., Anišić Z., Ćosić I.: Reconfiguring Production and Organizational Structures for Mass Customization in Furniture Industry; Chapter 20 of Innovative Production Systems Key to Future Inteligent Manufacturing; Scientific Monography, Maribor, University of Maribor, Faculty of Mechanical Engineeing, Maribor; Faculty of Mechanical Engineering, Skopje, 2010, str. 257-275, ISBN 978-961-248-250-3 |
| 3. | Anišić Z., Tudjarov B., Firstner (Fürstner) I., Ćosić I.: Intelligent Production Systems Way to Competitiveness and Innovative Engineering, Chapter 3.: Intelligent product configurators as a competitive advantage for companies, Skoplje, EME Skopje and FME Maribor, 2009, str. 41-51, ISBN 978-9989-2701-4-7, UDK: 681.5:001.895; 004.42.045:621.9, Ukupno strana: 9 |
| 4. | Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009, str. 281-288, ISBN 987-3-901509-71-1, UDK: ISSN 1726-9687 |
| 5. | Firstner (Fürstner) I., Anišić Z., Ćosić I.: Integrated product development in Internet surroundings, DAAAM International Scientific Book 2005, Beč, Published by DAAAM International Viena, 2005, str. 179-192, ISBN 1726-9687 |
| 6. | Ćosić I., Anišić Z.: Methodology for assembly suitability enhancement as a part of integrated product development, DAAAM International Scientific Book 2003, Beč, DAAAM International Viena, 2003, ISBN 3-901509-30-5 |
| 7. | Zelenović D., Ćosić I., Maksimović R.: Design/reengineering of production systems, Group Technology and Cellular Manufacturing: State University of New York Buffalo, NY, USA, Kluwer Academic Publishers, A.C.I.P. Printed in the USA, 1998, str. 517-534 |
| 8. | Pečujlija M., Ćosić I., Ivanišević V.: A professor's moral thinking at the abstract level vs the professor's moral thinking in real life situation (consistency problem), Science and Engineering Ethics, 2011, Vol. 17, No 2, pp. 299-320, ISSN 1353-3452 |
| 9. | Zelenović D., Ćosić I., Šormaz D., Šišarica Z.: An approach to the design of more effective production systems , International Journal of Production Research, 1987, Vol. 25, No 1, pp. 3-15, ISSN 0020-7543 |
| 10. | Kirin S., Sedmak A., Grubić-Nešić L., Ćosić I.: Project risk management in complex petrochemical system, Hemijska industrija, 2012, pp. 52-52, ISSN 0354-7531, UDK: doi:10.2298/HEMIND110709052K |


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Dragutinović D. Gordan |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 06.04.1980 |
| Scientific or art field: | Termodynamics and Heat Transfer |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Termodynamics and Heat Transfer |
| PhD thesis | 1987 | Faculty of Technical Sciences - Novi Sad | Thermal Energetics and Thermotechnics |
| Magister thesis | 1983 | Faculty of Mechanical Engineering - Beograd | Thermal Energetics and Thermotechnics |
| Bachelor's thesis | 1977 | Faculty of Technical Sciences - Novi Sad | Thermal Energetics and Thermotechnics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M203 | Fundamentals of Thermodynamics | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | M203L | Fundamentals in Thermodynamics | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | M210 | Thermodynamics | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 4. | M215 | Fundamentals of Heat Transfer | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 5. | M3303 | Fundamentals of Process Engineering | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 6. | URZP31 | Fundamentals of Thermodynamics with Heat Transfer | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 7. | GS013 | Special topics of building physics and thermodynamics | ( G10) Energy Efficiency in Buildings, Specialised Academic Studies |
| 8. | BMIM4A | Transport phenomena and Living systems | ( BM0) Biomedical Engineering, Master Academic Studies |
| 9. | M3508 | Mass Transfer | ( M30) Energy and Process Engineering, Master Academic Studies<br>( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 10. | DM307 | Selected Chapters in Mass Transfer | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 11. | DM313 | Process Kinetics | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

1. Dragutinovic, G.D., Baclic, B.S. "Operation of Counterflow Regenerators", Book Vol. 4 in Series "Developments in Heat Transfer", Computational Mechanics Publications, Southampton, 1998.
2. Baclic, B.S. and Dragutinovic, G.D., “Asymmetric-unbalanced Counterflow Thermal Regenerator Problem: Solution by the Galerkin Method and meaning of dimensional Parameters, Int. J. Heat Mass Transfer, Vol.34, No. 2, 1991, pp. 483-498.

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 3. | Dragutinovic, G.D., Baclic, B.S., “Interpolation and collocation methods for prediction of thermal regenerator performances”, Thermal Science, Vol. 12, No. 4, 1996. pp. 307-327. |
| 4. | Baclic, B.S., Heggs, P.J., and Dragutinovic, G.D., “Prediction of the Effectiveness of Unbalanced - Asymmetric Counterflow Regenerators", Publications of the Faculty of Technical Sciences, Vol. 15, 1984, pp. 1-15, University of Novi Sad. |
| 5. | Baclic, B.S., Gvozdenac, D.D., and Dragutinovic, G.D., “Easy way to calculate the Amzelius-Schumann J function", Thermal Science, Vol. 1, No. 1, 1997, pp. 109-116. |
| 6. | Dragutinović, D.G., Dimić, M., Sinteza optimalnih mreša toplotnih razmenjivača, Termotehnika, 1, 1998. |
| 7. | Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., i dr., Mogućnost korišćenja energetskog potencijala geotermalnih voda u Vojvodini, Novi Sad, Prometej, 2009 |
| 8. | Martinov, M., Dragutinović, G., i dr., Mogućnost kombinovane proizvodnje električne i toplotne energije iz biomase u AP Vojvodini, Novi Sad, PSEMR AP Vojvodina, 2008 |
| 9. | Nedeljkov, M., Dragutinović, G., Mathematical Simulation od Deep-Bed Drying of Grains - A numerical simulation, CHISA, Prag, avgust 1987 |
| 10. | Nedeljkov, M., Dragutinović, G., Mogućnosti i uslovi racionalizacije procesa konvektivnosg sušenja zrnastih poljoprivrednih proizvoda, 7. simpozijum termičara, Ohrid, maj 1984. |


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Dražić J. Jasmina |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 26.06.1985 |
| Scientific or art field: | Building Engineering - Construction and Architectural Constructions |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Building Engineering - Construction and Architectural Constructions |
| PhD thesis | 2005 | Faculty of Technical Sciences - Novi Sad | Civil Engineering |
| Magister thesis | 1993 | Faculty of Technical Sciences - Novi Sad | Civil Engineering |
| Bachelor's thesis | 1982 | 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. | A374 | Project and Construction Management 1 | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | GG13 | Building Engineering 1 | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 3. | GG16 | Building Engineering 2 | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 4. | GG31 | Technology and Building Organization 1 | (G00) Civil Engineering, Undergraduate Academic Studies |
| 5. | GG33 | Technology and Building Organization 2 | (G00) Civil Engineering, Undergraduate Academic Studies |
| 6. | GG404 | Precasting and Assembly Technology | (G00) Civil Engineering, Undergraduate Academic Studies |
| 7. | URZP22 | Safety Aspects in the Built Environment | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 8. | ZR302A | Safety at work in construction | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 9. | ZRI43A | Management of safety at work process in construction | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 10. | A394 | Project and Building Management 2 | (AH0) Architecture, Master Academic Studies |
| 11. | GG520 | Industrial Methods in Construction | (G00) Civil Engineering, Master Academic Studies |
| 12. | GM501 | System Theory and System Analysis | (G00) Civil Engineering, Master Academic Studies |
| 13. | 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. Letić M., Dražić J.: Zgradarstvo, Novi Sad, Univerzitet u Novom Sadu Fakultet tehničkih nauka, 2001, str. 1-189, ISBN 86-80249-28-9
2. Trivunić M., Dražić J.: Montaža betonskih konstrukcija zgrada, Drugo dopunjeno izdanje, Beograd, Univerzutet u Novom Sadu, FTN Novi Sad, AGM knjiga Beograd, 2009, str. 1-277, ISBN 978-86-86363-19-0
3. Dražić J.: Conceptual designing of aseismic structures-evaluation of design solution, Materijali i konstrukcije, 2009, Vol. 1, No 52 (2009) 3-4, pp. 21-35, ISSN 0543-0798, UDK: 699.841=861
4. Dražić J.: Vrednovanje i optimizacija montažnih konstrukcija-tehnološki aspekt,, Tehnika, 2010, Vol. 1, br 3, str. 103-111, ISSN 0040-2176
5. Dražić J.: Resursi za planiranje proizvodnje elemenata konstrukcija montažnih hala, Izgradnja, 2010, Vol. 1, br 3-4, str. 155-161, ISSN 0350-5421, UDK: 624.91.021.4:725.4
6. Dražić J., Mučenski V., Trivunić M., Peško I.: Influence a risk of assembly process realization on the choice of assemby metod, 1. International Scientific Conference Peeople, Building and Environment, Brno: University of Technology and Mendel University og Agriculture and Forestry in Brno, Fakulty of Civil Engineering, Fakulty of Forestry and Wood Technology , 26-27 Novembar, 2009, pp. 183-187, ISBN 978-80-7204-660-7
7. Dražić J., Folić R., Lađinović Đ.: Influence of design solution of structural behaviour under seismic actions, 3. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet u Podgorici, 15-20 Februar, 2010, pp. 481-487, ISBN 978-86-82707-18-9
8. Dražić J., Trivunić M., Mučenski V., Peško I.: Prefabrication in the Context of Sustainability, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures Testing of Serbia, 19-21 Oktobar, 2011, pp. 471-478, ISBN 978-86-87615-02-1
9. Dražić J.: Configuration of the Seismically Resistant Buildings, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures Testing of Serbia, 19-21 Oktobar, 2011, pp. 351-358, ISBN 978-86-87615-02-1
10. Dražić J., Malešević E., Aleksić I.: Influence of Life Cycle Costs on the Choice of Optimal Variation of Floor Covering, 4. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet u Podgorici, 20-24 Februar, 2012, pp. 2351-2358, ISBN 978-86-82707-21-9


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Đaković D. Damir |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.12.2001 |
| 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 | 2011 | Faculty of Technical Sciences - Novi Sad | Process Technics |
| Magister thesis | 2007 | Faculty of Technical Sciences - Novi Sad | Process Technics |
| 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. | I079 | Modern Energy Technologies | ( M50) Energy Management, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 2. | M3303 | Fundamentals of Process Engineering | ( 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. | M3507 | Combustion Technology | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 6. | Z412A | Process apparatus for protecting the environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z412 | Procesni aparati za zaštitu okoline(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | M211 | Measurement and Regulation | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 9. | M3031 | Engineering Calculations of Energy Technologies Apparatus and Equipment | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 10. | M3517 | Construction in energy and process engineering | ( M30) Energy and Process Engineering, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 11. | ZRI41A | Security and Safety at Work in Process Plants | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 12. | I079 | Modern Energy Technologies | ( M50) Energy Management, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 13. | I915 | Energy Transformations | ( M30) Energy and Process Engineering, Master Academic Studies |
| 14. | I916 | Energy Management in Industry | ( M50) Energy Management, Master Academic Studies |
| 15. | GS002 | Energy Efficiency of Heating and Air Conditioning Systems | ( G10) Energy Efficiency in Buildings, Specialised Academic Studies |
| 16. | I070 | Energy efficiency | ( M50) Energy Management, Master Academic Studies |
| 17. | I915 | Energy Transformations | ( M50) Energy Management, Master Academic Studies |
| 18. | M3503 | Dinamika i modeliranje termoenergetskih postrojenja(uneti naziv na engleskom) | ( M30) Energy and Process Engineering, Master Academic Studies |
| 19. | M3506 | Drying Technique | ( M30) Energy and Process Engineering, Master Academic Studies |
| 20. | M3508 | Mass Transfer | ( M30) Energy and Process Engineering, Master Academic Studies<br>( M40) Technical Mechanics and Technical Design, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 21. | M3515 | Energy Systems | ( M30) Energy and Process Engineering, Master Academic Studies<br>( M50) Energy Management, Master Academic Studies |
| 22. | M3517 | Construction in energy and process engineering | ( M30) Energy and Process Engineering, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 23. | DM307 | Selected Chapters in Mass Transfer | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 24. | DM313 | Process Kinetics | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | Đaković D.: Comments on 'Water sorption isotherms and thermodynamic properties of pearl millet grain', International Journal of Food Science and Technology, 2012, Vol. 47, No. 2, pp. 441-441, ISSN: 0950-5423. |
| 2. | Spasojevic, M. D., Jankovic M.R., Djakovic D.D.: A New Approach to Entropy Production Minimization in Diabatic Distillation Column with Trays, Thermal Science, 2010, Vol. 14, No. 2, pp. 317-328, ISSN: 0354-9836. |
| 3. | Djuric, S. N., Stanojevic, P. C., Djakovic, D. D., Jovovic, A. M.: The Study on the Effect of Fractional Composition and Ash Particle Diameter on the Ash Collection Efficiency at the Electrostatic Precipitator, Chemical Industry & Chemical Engineering Quarterly, 2010, Vol. 16, No. 3, pp. 229-236, ISSN: 1451-9372. |
| 4. | Anđelković A., Cvjetković T., Đaković D., Stojanović I.: Development of Simple Calculation Model for Energy Performance of Double Skin Façades, Thermal Science, 2012, Vol. 16, No Suppl 1, pp. 251-267, ISSN 0354-9836. |
| 5. | Čenejac A., Bjelaković R., Anđelković A., Đaković D.: Covering of Heating Load of Object by Using ground heat as a Renewable Energy Source, Thermal Science, 2012, Vol. 16, No Suppl 1, pp. 225-235, ISSN 0354-9836 |
| 6. | Đaković D, Vujić G, Bašić Đ, Dimić M. "Several models of grain drying theory – principles and obstacles", PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket, Thailand: Prince of Songkla University, Faculty of Engineering, 10-11 May, 2007, pp. 614- 617 |
| 7. | Đaković D, Dimić M. "Poređenje nekih jednačina konvektivnog sušenja zrnastih materijala u nepokretnom tankom sloju", Zbornik apstrakata, ISBN 86-80587-70-2, s. 62, CD ISBN 978-86-80-587-80-6, 13. Simpozijum termičara Srbije, Sokobanja, Srbija, 16.10.-19.10.2007. |
| 8. | Đaković D, Spasojević M, Štrbac D, Dimić M. "Primena eksergijske analize na proces sušenja kukuruza u tankom sloju", PTEP, 12(4), 233-235, 2008 |
| 9. | Đaković D, Dimić M, Spasojević M, Štrbac D, "Possibility of exergy analysis application on drying process", 4th International Conference on Engineering Technologies, ICET 2009, 28-30th April, 2009, ISBN: 978-86-7892-161-2, pp. 376-380, Novi Sad, Serbia |
| 10. | Đaković D, Dimić M. "Pregled pristupa modelovanju fenomena prenosa u sušarama sa kombinovanim tokovima", PTEP , 13(3), 283-287, 2009 |


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Đurić N. Slavko |
| 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: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 2003 | Faculty of Mechanical Engineering - Beograd | Mechanical Engineering |
| Magister thesis | 1998 | Faculty of Mechanical Engineering - Beograd | Mechanical Engineering |
| Bachelor's thesis | 1980 | Faculty of Mathematics - Beograd | Mathematics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M3303 | Fundamentals of Process Engineering | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 2. | M3406 | Heat Apparatus | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 3. | Z304 | Propagation of Disturbances | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z304A | Propagation of disturbances | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 5. | Z306 | Process Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z306A | Process Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 7. | Z311 | Process Systems and Equipment | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z412A | Process apparatus for protecting the environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | Z417 | Methods and Systems for Water Treatment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | ZR404 | Occupational Safety Systems, Means and Equipment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | Z101 | Uvod i principi zaštite okruženja(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 12. | Z401A | Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 13. | Z412 | Procesni aparati za zaštitu okoline(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 14. | Z417 | Postupci i postrojenja za tretman voda(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 15. | ZRI41A | Security and Safety at Work in Process Plants | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 16. | Z501 | 21BProtection System Design | (Z20) Environmental Engineering, Master Academic Studies |
| 17. | Z501 | Projektovanje sistema zaštite(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 18. | M3506 | Drying Technique | ( M30) Energy and Process Engineering, Master Academic Studies |
| 19. | M3508 | Mass Transfer | ( M30) Energy and Process Engineering, Master Academic Studies<br>( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 20. | M3511 | Diffusion apparatus | ( M30) Energy and Process Engineering, Master Academic Studies |
| 21. | SZSP17 | Savremene instrumentalne metode analize zagađujućih supstanci u životnoj sredini | ( Z00) Environmental Engineering, Specialised Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 22. | ZD060 | Selected topics in air pollution | ( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 23. | ZRD28A | Selected topics in the science of occupational safety | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Đurić, S., Omerović, M., Brankov, S., Džaferović, E., Stanojević, P, (2011): Experimental examination of sulphur dioxide separation from mixture of gas in dry procedure with the aid of calcium carbonate, Thermal Science, ISSN 0354-9836 Vol. 15, No.1, pp. 115-124 |
| 2. | Đurić S., Stanojević P., Đaković D., Jovović A., (2010): The study on the effect of fractional Composition and ash particle Diameter on the ash collection Efficiency at the electrostatic Precipitator, Chemical Industry & Chemical Engineering Quarterly, ISSN 1451-9372 Vol.16, No.3, pp. 229−236 |
| 3. | Đurić S., Stanojević P., Đuranović D., Brankov S., Milašinović S., Qualitative analysis of coal combusted in boilers of the thermal power plants in Bosnia and Herzegovina, Thermal Science 2012 Volume 16, Issue 2, Pages: 605-612. |
| 4. | Nakomčić, B., Stajić, T., Cepić, Z., Đurić, S., Geothermal energy potentials in the province of Vojvodina from the aspekt of the direct energy utilization, Renewable and Sustainable Energy Reviews, 2012 Volume 16, Issue 8, Pages: 5696-5700 |
| 5. | Djuric Slavko N, Brankov Sasa D, Stanojevic Petko, Bozickovic ranko, IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, (2012), vol. 31 br. 2, str. 45-51 |
| 6. | Slavko (Nikola) Đurić, Žarko (Mirko) Bojić, Dragan (Boro) Đuranović, Boro (Branko) Gojković, Slobodan (Nestor) Tašin, Zdravko (Cvijan) Božičković, The analysis of the road traffic accidents directly caused by tractor drivers in the territory of the Repiblic of Serbia, RAD PRIHVAĆEN ZA ŠTAMPU U ČASOPISU: TTEM-Technics Technologies Education Management, Vol.8, No.2, 5/6. 2013 |
| 7. | Đurić, S., Đaković, D., (2009): The qualitative estimation of Montenegro lignite characteristics, 4th Internacional Conference on Engineering Technologies ICET, Novi Sad, 28th-30th April, 2009., PROCEEDINGS, ISBN 978-86-7892-227-5, Vol. 1, pp. 73-79 |
| 8. | Đurić, S., Vojinović-Miloradov, M., Krmar, M., Slivka, J., Mrđa,D., (2007): Aranđelović,I., Đaković,D., Stanojević,P., Research of radionuclides influence in soil on environment of municipality Petrovo, Republika Srpska, Bosnia & Herzegovina, XI international ECO-CONFERENCE, 26th-29th September 2007, Novi Sad, Environmental protection of urban ans suburban settlements, ISBN 978-86-83177-30-1, ISBN 86-83177-27-0 (za izdavačku celinu), Vol. I, pp. 169-176 |
| 9. | Đurić, S., (2011): Redukcija emisije SO2 na energetskim postrojenjima primenom suvih aditivnih postupaka, ENERGIJA, ekonomija, ekologija , 2011, List saveza energetičara, ISSN 0354-8651, Broj 1, Godina XIII, Str. 168-170 |
| 10. | Đurić, S., Đaković, D., Brankov, S., Omerović, M., Džaferović, E., (2010): Matematički model proračuna ravnotežnog sastava gasifikacije komunalnog čvrstog otpada, ENERGIJA,ekonomija,ekologija 2010, List saveza energetičara, ISSN 0354-8651, Broj 4, Godina XII, Str. 67-74 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 3 | | | |
| Total of SCI(SSCI) list papers : | 6 | | | |
| Current projects : | Domestic : | 3 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Gak M. Dragana |
| Academic title: | Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 16.09.2009 |
| Scientific or art field: | English |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Entrepreneurial Management - Novi Sad | English |
| Magister thesis | 2010 | Faculty of Philosophy - Novi Sad | English and American Literature |
| Bachelor's thesis | 2000 | Faculty of Philosophy - Novi Sad | English |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | AEJ1L | English Language - Elementary | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | AEJ2L | English Language intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 3. | AEJ2Z | English intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 4. | AEJ3Z | English Language - upper intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 5. | EJ01L | English Language – Elementary | ( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 6. | EJ01Z | English Language - Elementary | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | EJ02L | English Language – Pre-Intermediate | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 13. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 14. | EJ3L | English Language – Advanced | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 15. | EJE5 | English Language – First Certificat 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 16. | EJE6 | English Language - First Certificate 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 17. | EJEI | English Language for Engineers | ( H00) Mechatronics, Undergraduate Academic Studies |
| 18. | EJEI1 | English in Engineering 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 19. | EJEI2 | English in Engineering 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 20. | EJF5 | English Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 21. | EJF6 | English Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 22. | EJGR | English Language – ESP Course | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 23. | EJM | English Language – ESP Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 24. | EJPST | English Language in Postal Traffic | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 25. | EJSIT | English Language in Traffic and Transport | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |
| 26. | F320 | English Language – ESP Course 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 27. | F321 | English Language – ESP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 28. | ISIT01 | English Language 1 | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 29. | ISIT07 | English Language 2 | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 30. | ASI381 | English language 1 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 31. | ASI431 | English Language 2 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 32. | BMI80 | English 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 33. | BMI81 | English 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 34. | EJIIM | English for Specific Purposes | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 35. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 36. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 37. | eja | English Language – a Specialized Course | (AH0) Architecture, Master Academic Studies |
| 38. | EJE7 | English Language - Advanced | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 39. | F507 | English Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 40. | NIT03 | Business English | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | Gak Dragana, Lorejn Hansberi i (afro) američka porodica, Zadužbina Andrejević, Beograd, 2012 |
| 2. | Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str. 705-709, Beograd, 2009. |
| 3. | Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str.329-333, Beograd, 2009. |
| 4. | Bogdanović Vesna, Gak Dragana, Univerzalana simbolika na primeru afro-američke zajednice u drami Lorejn Hansberi, Sveske, broj 98, decembar , Pančevo, 2010 |
| 5. | Gak Dragana, Borković Bojana, Needs Analysis: A Basis of a Successful Business English Course, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 880-885, Beograd, 2011. |
| 6. | Bulatović Vesna, Gak Dragana, Speaking Skills: Advantages and Problems Involved When Teaching Business English, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 235-240, Beograd, 2011. |
| 7. | Gak Dragana, Textbook - An Important Element in the Teaching Process, Metodički vidici, Filozofski fakultet Novi Sad, str.78-82, Novi Sad, 2011. |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 8. | Gak Dragana, Questionnaire - an Instrument for Collecting Valuable Data from Teachers of Business English Courses, Zbornik radova sa međunarodne konferencije The Importance of Learning Professional Foreign Language for Communication Between Cultures, Faculty of Logistics, University of Maribor, Slovenia, 2012 |
| 9. | Mirović Ivana, Gak Dragana, Trust Me I'm an Engineer, Zbornik radova sa međunarodne konferencije The Importance of Learning Professional Foreign Language for Communication Between Cultures, Faculty of Logistics, University of Maribor, Slovenia, 2012. |

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Georgijevic M.: Anwendung von Rechenmodellen bei der dynamischen Analyse von Hebezeugen, dhf - deutsche hebe und fördertechnik, 1990, Nr.10, s. 46-53 |
| 2. | Georgijevic M.: Einwirkung der konstruktiven Lösung und Antriebsregulierung auf Dynamik von Hafenhebezeugen, dhf-deutsche hebe und fördertechnik, 1991. Nr. 6, s. 64-69 |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Gerić D. Katarina |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 02.12.1976 |
| Scientific or art field: | Material Science and Engineering Materials |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Technical Sciences - Novi Sad | Material Science and Engineering Materials |
| PhD thesis | 1997 | Faculty of Technology and Metallurgy - Beograd | Material Science and Engineering Materials |
| Magister thesis | 1985 | Faculty of Technology and Metallurgy - Beograd | Material Science and Engineering Materials |
| Bachelor's thesis | 1974 | Faculty of Technology and Metallurgy - Beograd | Metallurgical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | H106 | Materials in Mechanical Engineering | ( H00) Mechatronics, Undergraduate Academic Studies |
| 2. | M105 | Mechanical Materials | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P2412 | Contemporary Materials | ( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | P3401 | Characteristics and Application of Plastic Materials | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | ZC003 | Electromechanical materials | ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 6. | ZRI42A | Safety at work in metallurgy and thermochemical treatment of metal | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 7. | P2502 | Properties and Selection of Materials | ( PM0) Production Engineering, Master Academic Studies |
| 8. | PTS01 | Technology of sintering | ( PM0) Production Engineering, Master Academic Studies |
| 9. | DM214 | Selected Chapters in Working Strength | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 10. | SAP002 | Engineering Materials | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 11. | SAP004 | Fracture Mechanics | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Vratnica, M., Pluvinage, G., Jodin, P., Cvijović, Z., Rakin, M., Burzić, Z., Gerić, K.: Notch fracture toughness of high-strength Al alloys, Materials and Design, 2013, Vol. 44, pp. 303-310, ISSN: 0261-3069.
2. Cvijovic Z,Vratnica M, Geric K: Fractographic analysis of fatigue damage in 7000 aluminium alloys, Journal of Microscopy, Vol 232, 2008, pp. 589-594
3. Stasevic, M., Maksimovic, S., Geric, K., Burzic, Z., Vasovic, I.: Fatigue crack propagation models: Numerical and experimental comparisons, Technics Technologies Education Management - TTEM, 2012, Vol. 7, No. 2, pp. 801-810, ISSN: 1840-1503.
4. Stašević, M., Maksimović, S., Gerić, K., Burzić, Z., Maksimović, M.: Fatigue crack growth prediction from low cycle fatigue properties, Strojarstvo, 2011, Vol. 53, No. 3, pp. 171-178, ISSN: 0562-1887.
5. Vratnica M, Cvijovic Z, Geric K, The role of Intermetallic Phases in Fatigue Crack Propagation Behavior of Al-Zn-Mg-Cu alloy, Material Science Forum vol. 555, 2007, pp 553-558
6. Gerić K., Sedmak S., Glavardanov I. : Fracture mechanics parameters of heat affected zone of high strength microalloyed steel, Metallurgy and new materials researches. Vol.II, No.1-2, 1994, 114-125
7. Sedmak S., Gerić K.: Evaluation of crack significance in velded joint by fracture mechanic approach, Kovine, zlitine tehnologije1-2, 32, 1998, 21-27
8. Gerić K, Glavardanov I, Sedmak S.: Relability and Structural integrity of advanced materials, deo J integral and Final Strech zone for crack in HSLAof Undermatched and Overmatched weldments, EMAS Publication LTD, pp. 996-1005
9. Gerić K.: Prsline u zavarenom spoju, monografija, Fakultet tehničkih nauka, Novi Sad, 2005.

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 10. | Gerić K.: Fractographic Analysis, part of monograph “From fracture mechanics to structural integrity assessment”, 8. International fracture mechanics summer-school, Belgrade 2004, pp. 147-158 |

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

Science, arts and professional qualifications

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

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

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 16. | MPK001 | Statistical and Numerical Methods | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 17. | D0M05 | Semantics of Programming Languages | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 18. | D0M06 | Logic in Computer Science | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 19. | D0M11 | Models of Computation | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 20. | D0M12 | Introduction to Functional Programming Languages | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 21. | D0M13 | Theory of Mobile Processes | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 22. | D0M14 | Process Algebra | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 23. | DZ01M | Selected Chapters in Mathematics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies<br>( E20) Computing and Control Engineering, Doctoral Academic Studies<br>( F00) Graphic Engineering and Design, Doctoral Academic Studies<br>( F20) Engineering Animation, Doctoral Academic Studies<br>( G00) Civil Engineering, Doctoral Academic Studies<br>( GI0) Geodesy and Geomatics, Doctoral Academic Studies<br>( H00) Mechatronics, Doctoral Academic Studies<br>( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies<br>( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( S00) Traffic Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 24. | AID05 | Theory of Mobile Processes | ( F20) Engineering Animation, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | "Inhabitation in lambda calculus with intersection and union types", Journal of Logic and Computation 6 (1993) 671-685, Oxford University Press |
| 2. | "Characterizing strong normalization in the Curien-Herbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa D.Dougherty, P.Lescanne) Theoretical Computer Science 2007 |
| 3. | "Separating Points by Parallel Hyperplanes " (sa J. Pantovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356-1363 |
| 4. | "Lambda terms for natural deduction, sequent calculus and cut elimination" (sa H.P.Barendregt), Journal of Functional Programming, 10 (2000) 121-134. |
| 5. | "Confluence of untyped lambda calculus via simple types" (with V.Kuncak), ICTCS"01, Lecture Notes in Computer Science 2201, 38-49. |
| 6. | "Full intersection types and topologies in lambda calculus", Journal of Computer and System Sciences, 62 (2001) 1-14. |
| 7. | "Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74. |
| 8. | "Strong normalization of the classical sequent calculus" (sa D. Dougherty, P. Lescanne, S.Likavec), Lecture Notes in Computer Science 3835 (2005) 169-183. |
| 9. | "Security types for dynamic web data" (sa M.Dezani-Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC"06, Lecture Notes in Computer Science 4661 (2007) 263-280. |
| 10. | Zbirka rešenih zadataka iz statistike (sa Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005 |

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

| | |
|---|---|
| Quotation total : | 325 |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Grabić U. Stevan |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 10.10.1997 |
| Scientific or art field: | Power Electronics, Machines and Facilities |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Power Electronics, Machines and Facilities |
| PhD thesis | 2011 | Faculty of Technical Sciences - Novi Sad | Power Electronics, Machines and Facilities |
| Magister thesis | 2004 | Faculty of Technical Sciences - Novi Sad | Power Electronics, Machines and Facilities |
| Bachelor's thesis | 1997 | Faculty of Technical Sciences - Novi Sad | Power Electronics, Machines and Facilities |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | EE305 | Power Electronics 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 2. | EE425 | Energy Converter Control | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 3. | EE520 | Design of Electrical Machines and Converters | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 4. | EM434 | Power Electronics | ( H00) Mechatronics, Undergraduate Academic Studies |
| 5. | EOS08 | Electrical machines and devices | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 6. | EOS12 | Power electronics | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 7. | EOS17 | Software tool in power electronics | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 8. | EOS23 | Wind Energy Conversion System | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 9. | EOS32 | Grid connected renewable energy systems | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 10. | Z107 | Electrical Engineering, Environment and Protection | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | EE0406 | Electric Power Quality | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 12. | EE406 | Electric Power Quality | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 13. | EE520 | Design of Electrical Machines and Converters | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 14. | M2551 | Hybrid and electric vehicles | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 15. | M2552 | Automotive electrics | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 16. | S0I51Ž | Electrical Substation and Electric Traction | ( S00) Traffic and Transport Engineering, Master Academic Studies |
| 17. | SI011 | Wind, solar and small hydro power plants | ( E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies |
| 18. | SI041 | Grid connected renewable energy systems | ( E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies |
| 19. | EE544 | Renewable energy sources | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | S.Grabić, N.Čelanović, V.Katić: Series Converter Stabilized Wind Turbine with Permanent Magnet Synchronous Generator, 35th IEEE Power Electronics Specialists Conference PESC 2004, Aachen (Germany), pp. 464-468. |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 2. | M.Vekić, Z.Ivanović, S.Grabić, V.Katić: Control of Variable Speed Wind Turbine Under Grid Disturbances, 13th International Symposium on Power Electronics - Ee2005, Novi Sad, no.T7-1.1. |
| 3. | Z.Ivanović, M.Vekić, S.Grabić, V.Kati: Control of Multilevel Converter Driving Variable Speed Wind Turbine in Case of Grid Disturbances, 12th International Power Electronics and Motion Control Conference EPE-PEMC 2006, Portoroz (Slovenija), pp. 1569-1573. |
| 4. | E.Adzić, S.Grabić, V.Katić: Analysis and Control Design of STATCOM in Distribution Network Voltage Control Mode, VIth International Symposium Nikola Tesla, 2006, Beograd, 135-138. |
| 5. | M.Milošević, G.Andersson, S.Grabić: Decoupling Current Control and Maximum Power Point Control in Small Power Network with Photovoltaic Source, Power Systems Conference and Exibition PSCE 2006, no.10.5, pp.1005-1011. |
| 6. | V.Katić, Z.Čorba, D.Milićević, S.Grabić, Z.Ivanović, M.Vekić, E.Adzić, B.Dumnić: Modeling of Wind and Solar Electric Power Sources for Application in Vojvodina, PSU-UNS International Conference on Egineering and Environment - ICEE 2007, Phuket (Thailand). |
| 7. | Z.Ivanović, M.Vekić, S.Grabić, V.Katić: Modelovanje i analiza rada mrežnog invertora u slucaju nesimetrije u sistemu, 50. konferencija ETRAN, Beograd, jun 2006, str.344-347 |
| 8. | Ivanović Z., Adžić E., Vekić M., Grabić S., Čelanović N., Katić V.: HIL Evaluation of Power Flow Control Strategies for Energy Storage Connected to Smart Grid Under Unbalanced Conditions, Available: 10.1109/TPEL.2012.2184772 , IEEE Transaction on Power Electronics, 2012, Vol. 27, ISSN 0885-8993 |
| 9. | Vekić M., Grabić S., Majstorović D., Čelanović I., Čelanović N., Katić V.: Ultra Low Latency HIL based Rapid Development of Complex Power Electronics Systems, IEEE Transaction on Power Electronics, 2012, ISSN 0885-8993 |
| 10. | Grabić S., Čelanović N., Katić V.: Permanent Magnet Synchronous Generator Cascade for Wind Turbine Application , IEEE Transaction on Power Electronics, 2008, Vol. 23, No 3, pp. 1136-1142, ISSN 0885-8993 |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 36 | | | |
| Total of SCI(SSCI) list papers : | 4 | | | |
| Current projects : | Domestic : | 2 | International : | 0 |

Science, arts and professional qualifications

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E135 | Probability, Statistics and Stochastic Processes | ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 2. | E212 | Mathematical Analysis 1 | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 3. | GI303B | Probability and Mathematical Statistics | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies |
| 4. | Z104 | Mathematics 1 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z203 | Statistical Methods | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | BMI91 | Mathematics 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 7. | BMI92 | Mathematics 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 8. | IA001 | Algebra | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 9. | IA002 | Mathematical Analysis | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 10. | P216 | Numerical Analysis | ( P00) Production Engineering, Undergraduate Academic Studies |
| 11. | S01361 | Business decision making | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 12. | 0M505 | Stochastic Processes | ( OM1) Mathematics in Engineering, Master Academic Studies |
| 13. | 0ML505 | Stochastic Processes | ( OM1) Mathematics in Engineering, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 14. | DZ01MS | Selected Chapters in Mathematics | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies<br>( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies<br>( Z00) Environmental Engineering, Specialised Academic Studies |
| 15. | ZR503 | Statistical Advanced Models | ( Z01) Safety at Work, Master Academic Studies |
| 16. | MPK001 | Statistical and Numerical Methods | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 17. | SDOM30 | Probability, Statistics and Theory of Engineering Experiment | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 18. | D0M01 | Functional Analysis 1 | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 19. | D0M07 | Mathematical Foundations of Fuzzy Systems | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 20. | D0M19 | Functional Analysis 2 | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 21. | D0M21 | Fuzzy Systems and Their Applications | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 22. | D0M50 | Fuzzy Measures and Integrals | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 23. | D0M51 | Large Deviations Principles | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 24. | D0M52 | Random Sets | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 25. | D0M53 | Statistical Processing of Fuzzy Data | ( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 26. | DOM30 | Probability, Statistics and Theory of Engineering Experiment | ( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 27. | DZ01M | Selected Chapters in Mathematics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies<br>( E20) Computing and Control Engineering, Doctoral Academic Studies<br>( F00) Graphic Engineering and Design, Doctoral Academic Studies<br>( F20) Engineering Animation, Doctoral Academic Studies<br>( G00) Civil Engineering, Doctoral Academic Studies<br>( GI0) Geodesy and Geomatics, Doctoral Academic Studies<br>( H00) Mechatronics, Doctoral Academic Studies<br>( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies<br>( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( S00) Traffic Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)


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


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Grković R. Vojin |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.06.1994 |
| Scientific or art field: | Thermal Energetics and Thermotechnics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 1993 | Faculty of Technical Sciences - Novi Sad | Thermal Energetics and Thermotechnics |
| PhD thesis | 1984 | Faculty of Mechanical Engineering - Beograd | Mechanical Engineering |
| Magister thesis | 1974 | Faculty of Mechanical Engineering - Beograd | Mechanical Engineering |
| Bachelor's thesis | 1970 | Faculty of Mechanical Engineering - Beograd | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | EOS38 | Energetski menadžment | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 2. | M3302 | Thermoenergy Plants | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 3. | M3405 | Thermal Turbines 1 | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 4. | M3501 | Refrigeration Devices | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 5. | Z206 | Alternative Power Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z206A | Alternative Energy Sources | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 7. | ZOI312 | Thermal Power Plants | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | ZOI31A | Thermal power plants | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 9. | M211 | Measurement and Regulation | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 10. | M3495 | Therma Energy Ekuipment | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 11. | I938 | Energy and Society | ( M50) Energy Management, Master Academic Studies |
| 12. | M3505 | Processes and Constructions of Multistage Turbine | ( M30) Energy and Process Engineering, Master Academic Studies |
| 13. | I939 | Merenje, nadzor i upravljanje | ( M50) Energy Management, Master Academic Studies |
| 14. | M3503 | Dinamika i modeliranje termoenergetskih postrojenja(uneti naziv na engleskom) | ( M30) Energy and Process Engineering, Master Academic Studies |
| 15. | M3515 | Energy Systems | ( M30) Energy and Process Engineering, Master Academic Studies<br>( M50) Energy Management, Master Academic Studies |
| 16. | M5022 | Renewable energy sources | ( M50) Energy Management, Master Academic Studies |
| 17. | M5025 | Energy audits | ( M50) Energy Management, Master Academic Studies |
| 18. | DM216 | Energy Systems | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | DM217 | Energy Management in Idustry | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 20. | DM219 | Energy Politics | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 21. | DM302 | Engineering Experimental Methods | ( H00) Mechatronics, Doctoral Academic Studies<br>( M00) Mechanical Engineering, Doctoral Academic Studies |
| 22. | DM310 | Mathematical Process Modelling | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 23. | DM318 | Contemporary Methods for Turbomachine Design | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 24. | DM319 | Optimization of Power Machine and Thermal Equipment | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 25. | DM333 | Renewable Energy Resoruces | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 26. | DM334 | Optimization of Energy Systems Operation | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Grković V.: "Energy-Efficiency Improvements by Joint Oeration of Two DH Systems Using Old Condensing Turbines", ENERGY, the International Journal, Vol.22, (1997), No. 11, pp. 1099-1102. |
| 2. | Grković V.: "Selection of the Optimal Extraction Pressure for Steam from a Condensation-Extraction Turbine", ENERGY, the International Journal, Vol.15, (1990) No. 5, pp. 459-465. |
| 3. | Grković V:: "Optimisations for District Heating of Belgrade from the Kolubara Energy and Industrial Complex", ENERGY, the International Journal, Vol. 14, (1989) No.11, pp. 747-756. |
| 4. | Grkovič V.: "Optimizacija parametrov otbora u kondensacionih turbin s promežutočnim otborom para", TEPLOENERGETIKA, 1989, No. 6, s. 72-75. |
| 5. | Grković V.: "Simulation stationaerer Betriebszustaende von Kondensationsturbinen mit Fernwaermeauskoppelung, BWK, 39, (1987), No. 7/8, S. 349. |
| 6. | Grković V.: "Mathematisches Modell zur Optimierung des Auslegungsentnahmedrueckes an der einer Kondensationsturbine mit Fernwaermeauskopplung", FERNWAERME INTERNATIOAL FWI, Vol. 20, (1991), Nr. 11, S. 616-626. |
| 7. | Grković V. and Nedeljković Lj.: "Possibilities and Limitations of Fracture Mechanics Methods in Fitness-for-Purpose Evaluation of a Turbine Rotor with a Large Ultrasonic Indication Zone", STRENGTH OF MATERIALS, the International Journal, 1995, No. 1-2, pp.39-52. |
| 8. | Grković V.: "A Method for Calculation of Forces Acting on the Gas Turbine Blades with Film and Effusion Cooling", XIV Brazilian Congress of Mechanical Engineering, Obeid Plaza Hotel Convention Center - Bauru - SP Brazil, Dec. 08-12th 1997, Procedings (on CD ROM), Paper Code 1100. |
| 9. | Grković V.: " Tehniloške osnove regulisanja parnih turbina za spregnutu proizvodnju električne i toplotne energije", Futura-publikacije, Novi Sad, 1995, ISBN 86-7188-001-X. |
| 10. | Grković V.: A New Approach in CHP Steam Turbines Thermodynamic Cycles Computations, Thermal Science, 2012, Vol. 16, No 2, ISSN 0354-9836. |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 12 | | | |
| Total of SCI(SSCI) list papers : | 5 | | | |
| Current projects : | Domestic : | 1 | International : | 1 |

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 71 | | | |
| Total of SCI(SSCI) list papers : | 26 | | | |
| Current projects : | Domestic : | 2 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Hadžistević J. Miodrag |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.02.1993 |
| Scientific or art field: | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| PhD thesis | 2004 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| Magister thesis | 1999 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| Bachelor's thesis | 1992 | Faculty of Technical Sciences - Novi Sad | Cutting Processing Tools and Tribology |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P1401 | Fixture Design and Measuring Machines | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P1508 | Reverse Engineering and CAQ | ( P00) Production Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 3. | P209 | Measurements and Quality | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | P306 | Fixtures | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | URZP15 | Work safety during interventions | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 6. | Z207 | Mechanical Engineering in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z207A | Mechanical Engineering in Environmental Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | Z301 | Pollution Measurement and Control | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | Z416 | EMS Systems | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | ZR101 | Introduction and Principles of Occupational Safety | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | ZR404 | Occupational Safety Systems, Means and Equipment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 12. | Z207 | Mašinstvo u inženjerstvu zaštite životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 13. | Z416 | EMS sistemi(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 14. | IM1714 | Introduction and principles of occupational occupational health and safety | (I20) Engineering Management, Undergraduate Academic Studies |
| 15. | ZC036 | Measurement and control of pollution | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 16. | P1409 | Material Control Systems and CAI | ( PM0) Production Engineering, Master Academic Studies |
| 17. | P1501 | Ecological Technologies and Systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 18. | Z416A | Environment Protection System Management | ( PM0) Production Engineering, Master Academic Studies |
| 19. | Z452 | Design and maintenance of quality control in environmental engineering | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 20. | PLIS1 | Logistics and Simulation in Technologies of Plastics Processing | ( PM0) Production Engineering, Master Academic Studies |
| 21. | PP103 | Measurement and tools in precision engineering | ( PM0) Production Engineering, Master Academic Studies |
| 22. | SDOM30 | Probability, Statistics and Theory of Engineering Experiment | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 23. | SM3 | Software support for reverse engineering and CAQ | ( PM0) Production Engineering, Master Academic Studies |
| 24. | SZSP18 | Contemporary scientific approaches in life cycle assessment of products (LCA) | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 25. | ZCM09 | Occupational Health and Safety | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 26. | ZR406A | System Regulations and EU Practice in Occupational Health and Safety | ( Z01) Safety at Work, Master Academic Studies |
| 27. | DOM30 | Probability, Statistics and Theory of Engineering Experiment | ( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 28. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 29. | DP006 | State and development trends of metrology, quality and fixtures | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 30. | DP013 | Ecological Engineering Aspects | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 31. | DP019 | Selected topics in technical diagnosis | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 32. | ZSP18 | Modern Scientific Approaches in Product Life Cycle Assessment (LCA) | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 33. | ZRD211 | Sustainable design and product safety | ( Z01) Safety at Work, Doctoral Academic Studies |
| 34. | ZRD213 | Current state and development tendencies of quality management of work environment | ( Z01) Safety at Work, Doctoral Academic Studies |
| 35. | ZRD235 | Systemic regulation in the field of occupational safety and health | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No 5-8, pp. 595-607, ISSN 0268-3768
2. Brajlih T., Tasić T., Drštvenček I., Valentan B., Hadžistević M., Pogačar V., Balić J., Ačko B.: Possibilities of Using Three-Dimensional Optical Scanning in Complex Geometrical Inspection, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 826-833, ISSN 0039-2480
3. Sekulić M., Jurković Z., Hadžistević M., Gostimirović M.: The influence of mechanical properties of workpiece material on the main cutting force in face milling, Metalurgija, 2010, Vol. 49, No 4, pp. 339-342, ISSN 0543-5846, UDK: 669.14/15:620.171.70/178:620.18 = 111
4. Morača S., Hadžistević M., Drstvenšek I., Radaković N.: Application of Group Technology in Complex Cluster type Organizational Systems, Strojniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No 10, pp. 663-675, ISSN 0039-2480
5. Radlovački V., Kamberović B., Delić M., Hadžistević M., Pečujlija M.: ARE QUALITY MANAGEMENT SYSTEM AND INFORMATION TECHNOLOGIES MANAGEMENT TOOLS - ESTIMATES OF SERBIAN QUALITY MANAGERS, INTERNATIONAL JOURNAL ADVANCED QUALITY, 2012, Vol. 40, No 1, pp. 33-36, ISSN 2217-8155, UDK: 658.5
6. Stević, M.: Povećanje tačnosti merenja numerički upravljanih mernih mašina, edicija tehničke nauke - monografija, FTN izdavaštvo, ISBN 86-7892-028-9, Novi Sad, 2006.
7. Hadžistević M., Morača S.: Networks and Quality Improvement, International Journal for Quality Research, 2009, Vol. 3, No 4, pp. 353-361, ISSN 1800-6450
8. Lomen, I., Cvetićanin, L., Hodolič, J., Stević, M.: Softwarova aplikacia na určenie hladiny hluku v priemyselnych podnikoch, Časopis Acta Mechanica Slovaca, 2/2002, Ročnik 6., pp. 165-168, Košice, Slovačka, 2002.
9. Hodolič J., Budak I., Vukelić Đ., Agarski B., Hadžistević M.: Less Formal Tools for Environmental Management in Production Industry, 2. International Symposium on Environmental and Material Flow Management - EMFM, Zenica: Faculty of Mechanical Engineering in Zenica, University of Zenica, 7-9 Jun, 2012, pp. 1-15, ISBN 978-9958-617-46-1
10. Agarski B., Budak I., Puškar T., Vukelić Đ., Marković D., Hadžistević M., Hodolič J.: Multi-criteria assessment of environmental and occupational safety measures in dental prosthetics laboratories, Journal of Production Engineering, 2012, Vol. 15, No 1, pp. 53-56, ISSN 1821-4932


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 20 | | | |
| Total of SCI(SSCI) list papers : | 9 | | | |
| Current projects : | Domestic : | 2 | International : | 2 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Hodolič J. Janko |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 06.12.1974 |
| Scientific or art field: | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 1997 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| PhD thesis | 1989 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |
| Magister thesis | 1979 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |
| Bachelor's thesis | 1974 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | IA018 | 3D Digitalization Methods | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 2. | P1401 | Fixture Design and Measuring Machines | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P1508 | Reverse Engineering and CAQ | ( P00) Production Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 4. | P209 | Measurements and Quality | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P2617 | Planning Methods and Experiment Processing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | P306 | Fixtures | ( P00) Production Engineering, Undergraduate Academic Studies |
| 7. | Z207 | Mechanical Engineering in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z207A | Mechanical Engineering in Environmental Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 9. | Z301 | Pollution Measurement and Control | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | Z416 | EMS Systems | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | ZR320 | Experimental Analysys of Safety and Health on Workplace | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 12. | ZRI441 | Material handling systems for environmental and labor protection | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 13. | Z207 | Mašinstvo u inženjerstvu zaštite životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 14. | Z416 | EMS sistemi(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 15. | ZC036 | Measurement and control of pollution | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 16. | P1409 | Material Control Systems and CAI | ( PM0) Production Engineering, Master Academic Studies |
| 17. | P1501 | Ecological Technologies and Systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 18. | P3501 | Tool Designing for Plastic | ( PM0) Production Engineering, Master Academic Studies |
| 19. | Z416A | Environment Protection System Management | ( PM0) Production Engineering, Master Academic Studies |
| 20. | PIP16 | Plastics and environmental protection | ( PM0) Production Engineering, Master Academic Studies |
| 21. | PLIS1 | Logistics and Simulation in Technologies of Plastics Processing | ( PM0) Production Engineering, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 22. | SDOM30 | Probability, Statistics and Theory of Engineering Experiment | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 23. | SZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 24. | SZSP18 | Contemporary scientific approaches in life cycle assessment of products (LCA) | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 25. | DM411 | Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 26. | DOM30 | Probability, Statistics and Theory of Engineering Experiment | ( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 27. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 28. | DP006 | State and development trends of metrology, quality and fixtures | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 29. | DP013 | Ecological Engineering Aspects | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 30. | ZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 31. | ZSP18 | Modern Scientific Approaches in Product Life Cycle Assessment (LCA) | ( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Budak I., Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220
2. Bešić I., Van Gestel N., Kruth J., Bleys P., Hodolič J.: Accuracy improvement of laser line scanning for feature measurements on CMM, Optics and Lasers in Engineering, 2011, Vol. 49, No 11, pp. 1274-1280, ISSN 0143-8166
3. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0268-3768
4. Jakovljević Ž., Petrović P., Hodolič J.: Contact states recognition in robotic part mating based on support vector machines, International Journal of Advanced Manufacturing Technology, 2012, Vol. 59, No 1-4, pp. 377-395, ISSN 0268-3768
5. Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolič J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090
6. Vukelić Đ., Zuperl U., Hodolič J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768
7. Budak I., Hodolič J., Soković M.: Development of a programme system for data-point pre-processing in Reverse Engineering, Journal of Materials Processing Technology, 2005, Vol. 162, pp. 730-735, ISSN 0924-0136
8. Agarski B., Budak I., Kosec B., Hodolič J.: An Approach to Multi-criteria Environmental Evaluation with Multiple Weight Assignment, Environmental Modeling & Assessment, 2012, Vol. 17, No 3, pp. 255-266, ISSN 1420-2026.
9. Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.
10. Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolič J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651.


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 42 | | | |
| Total of SCI(SSCI) list papers : | 22 | | | |
| Current projects : | Domestic : | 3 | International : | 6 |

Science, arts and professional qualifications

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

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Technical Sciences - Novi Sad | 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. | URZP22 | Safety Aspects in the Built Environment | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 5. | URZP24 | Fundamentals of Technical Documentation Design | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 6. | Z202 | Construction and the Living Environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z202A | Building and Environment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | Z423 | Natural Materials in Construction | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | Z202 | Graditeljstvo i životna sredina(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | A403 | Architectural technology 2 | ( A00) Architecture, Undergraduate Academic Studies |
| 11. | GG37 | Basics of design in civil engineering structures | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 12. | ZR302A | Safety at work in construction | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 13. | ZRI43A | Management of safety at work process in construction | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 14. | 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: | Jovanović M. Dragan |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 15.12.1998 |
| Scientific or art field: | Traffic Systems |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2011 | Faculty of Technical Sciences - Novi Sad | Traffic Systems |
| PhD thesis | 2005 | Faculty of Technical Sciences - Novi Sad | Traffic Systems |
| Magister thesis | 2003 | Faculty of Technical Sciences - Novi Sad | Traffic Systems |
| Bachelor's thesis | 1998 | Faculty of Technical Sciences - Novi Sad | Traffic Systems |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | S0214 | Regulations in the Field of Traffic | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |
| 2. | S0331 | Traffic Safety | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |
| 3. | ZRI422 | Safety and security at work in the field of traffic engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 4. | S052 | Prevention of Accidents | ( S00) Traffic and Transport Engineering, Master Academic Studies |
| 5. | S0I5B | Traffic Safety Measures | ( S00) Traffic and Transport Engineering, Master Academic Studies |
| 6. | S0MI4S | Road infrastructure and road safety in urban areas | ( S00) Traffic and Transport Engineering, Master Academic Studies |
| 7. | SDI23 | Traffic Safety Management | ( S00) Traffic Engineering, Doctoral Academic Studies |
| 8. | SDI24 | Road Safety Measures | ( S00) Traffic Engineering, Doctoral Academic Studies |
| 9. | DSSB2 | Behavioural models in traffic safety | ( S00) Traffic Engineering, Doctoral Academic Studies |
| 10. | ZRD235 | Systemic regulation in the field of occupational safety and health | ( Z01) Safety at Work, Doctoral Academic Studies |
| 11. | ZRD239 | State and tendencies of health and safety at work in the field of traffic engineering | ( Z01) Safety at Work, Doctoral Academic Studies |
| 12. | ZRDI7 | Izborni predmed 5D | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Jovanović D., Bačkalić T., Bašić S.: The application of reliability models in traffic accident frequency analysis, Safety Science, 2011, Vol. 49, No 8-9, pp. 1246-1251, ISSN 0925-7535
2. Jovanović D., Lipovac K., Stanojević P., Stanojević D.: The effects of personality traits on driving-related anger and aggressive behaviour in traffic among Serbian drivers, Transportation Research Part F - Traffic Psychology and Behaviour, 2011, Vol. 14, No 1, pp. 43-53, ISSN 1369-8478
3. Antić B., Vujanić M., Jovanović D., Pešić D.: Impact of the new road traffic safety law on the number of traffic casualties in Serbia, Scientific Research and Essays, 2011, Vol. 6, No 29, pp. 6176-6184, ISSN 1992-2248
4. Jovanović D., Stanojević P., Stanojević D.: Motives for, and attitudes about, driving-related anger and aggressive driving, Social Behavior and Personality: An International Journal, 2011, Vol. 39, No 6, pp. 755-764, ISSN 0301-2212
5. Jevtić V., Vujanić M., Lipovac K., Jovanović D., Stanojević P.: The influence of motives on risky behavior in traffic: Comparison between motorcyclists and passenger car drivers, Scientific Research and Essays, 2012, Vol. 7, No 10, pp. 1134-1140, ISSN 1992-2248
6. Jovanović D., Bašić S.: Role of ITS in Managing Traffic Safety in The Road Transportation, 17. Eletronics in Traffic, Ljubljana: Electrotechnical of Association of Slovenia, 23 Mart, 2009, ISBN 978-961-6187-42-8, UDK: 656:004.8
7. Bašić S., Bačkalić T., Jovanović D.: Temporal and time series forecasting as a tool for traffic safety analysis, 10. Međunarodni simpozijum Prevencija saobraćajnih nezgoda na putevima, Novi Sad: Fakultet tehničkih nauka, 21-22 Oktobar, 2010, pp. 174-182, ISBN 978-86-7892-279-4
8. Jovanović D., Bašić S., Mitrović J.: Program for advancement children safety in traffic, 1. Regional south-eastern Europe Conference on safe Community, Novi Sad, 23-24 April, 2009, pp. 111-114, ISBN 978-86-87497-02-3
9. Jovanović D., Stanojević P.: Safety of children in road traffic, 1. Regional south-eastern Europe Conference on safe Community, Novi Sad, 23-24 April, 2009, pp. 104-110, ISBN 978-86-87497-02-3
10. Lipovac K., Jovanović D., Nešić M., Jovanov D.: Database of Black Spots on Main Roads in Serbia, 4. IRTAD Conference, Seoul, 16-17 Septembar, 2009, pp. 382-392


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

| | |
|---|---|
| Quotation total : | 0 |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Jović Đ. Miomira |
| Academic title: | Foreign Language Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Sciences - Novi Sad |
| | 01.09.2001 |
| Scientific or art field: | German |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2005 | | German |
| Bachelor's thesis | 1973 | | German |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | F331 | German Language – LSP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 2. | NJ01Z | German Language – Elementary | ( A00) Architecture, Undergraduate Academic Studies<br>( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | NJ02L | German Language – Pre-Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | NJ05 | German Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 5. | NJ06 | German Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 6. | NJ1L | German Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 7. | SSIP22 | German Language for Engineers 1 | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 8. | NJ01Z | Nemački jezik - osnovni(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | NJ02L | Nemački jezik - niži srednji(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | F508 | German Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 11. | nja | German Language in Architecture | (AH0) Architecture, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | EE300 | Electromagnetics | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 2. | EOS01 | Fundamental electrical engineering | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 3. | I087 | Electrical Engineering in Industrial Engineering | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies |
| 4. | M112 | Electrical Engineering and Electric Machines | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 5. | Z107 | Electrical Engineering, Environment and Protection | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | II1007 | Fundamental electrical engineering | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 7. | URZP12 | Introduction to electrical engineering | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 8. | DE208S | Selected Chapters on Electromagnetic Compatibility | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 9. | DE408S | Selected chapters inl electromagnetics | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 10. | EE543 | Electro Magnetic Energy | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 11. | H799 | Fieldbuses and protocols | ( H00) Mechatronics, Master Academic Studies |
| 12. | DE208 | Selected Chapters on Electromagnetic Compatibility | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |
| 13. | DE408 | Selected Chapters in Electromagnetics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

1. A. Juhas, L. A. Novak, “Comments on “Class-E, Class-C, and Class-F power amplifier based upon a finite number of harmonics”,” IEEE Transactions of Microwave Theory and Techniques, vol. 57, no. 6, pp. 1623-1625, June 2009. ISSN 0018-9480.
2. A. Juhas, L. A. Novak,S Kostić, ”Signals with Flattened Extrema in Balance Power Analysis of HFHPTA: Theory and Applications”, IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.38-45, 2001. ISSN 0018-9316
3. S. Kostić, L. A. Novak, A. Juhas, ”Increasing Efficiency and Output Power of HFHPTA by Injection of Two Harmonics”, IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.32-37, 2001. ISSN 0018-9316

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 4. | D. Herceg, A. Juhas, M. Milutinov,." A design of a four square coil system for a biomagnetic experiment," Facta universitatis - series: Electronics and Energetics, 2009, Vol. 22, No 3, pp. 285-292. ISSN 0353-3670 |
| 5. | L. A. Novak, A. Juhas, "O broju maksimuma u dvočlanim složenoperiodičnim funkcijama: krive katastrofa", Elektrotehnika, br. 1-2, pp. E7-E10, 1994. |
| 6. | A. Juhas, M. Milutinov, M. Prša, "Magnetic field of multi-line power system", Scientific bulletin of the "Politehnica" University of Timisoara, Proceedings of the 7th Int. Power Systems Conf., Timisoara, Romania, 22-23 Nov. 2007, Tom 52, pp. 319-328. ISSN 1582-7194. |
| 7. | M. Milutinov, A. Juhas, M. Prša, "Electric and magnetic field in vicinity of overhead multi-line power system", Acta Electrotehnica, Proceedings of the 2nd Int.l Conf. on Modern Power Systems MPS 2008, Cluj-Napoca, Romania, 12-14 Nov.r 2008, pp. 313-316. ISSN 1841-3323. |
| 8. | A. Juhas, M. Milutinov, N. Pekarić-Nađ, "Iskustva u primeni nacionalnih pravilnika o nejonizujućim zračenjima", Telekomunikacije, No 7, pp. 70-77, 2011. ISSN 1820-7782 |
| 9. | A. Juhas, M. Milutinov, D. Herceg, M. Prša, N. Pekarić-Nađ, "Uređaj za generisanje homogenog magnetskog polja kontrolisanog intenziteta za potrebe biomagnetskih ekspreimenata",Tehničko rešenje, decembar 2010. |
| 10. | A. Juhas, N. Pekarić-Nađ, D. Herceg, " Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas," Proceedings of International PhD Seminar on computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 Sep., 2010, pp. 27-31, ISBN 978-954-438-856-0 |


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

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

Science, arts and professional qualifications

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

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2002 | Faculty of Technical Sciences - Novi Sad | Power Electronics, Machines and Facilities |
| PhD thesis | 1991 | School of Electrical Engineering - Beograd | Electrical and Computer Engineering |
| Magister thesis | 1981 | School of Electrical Engineering - Beograd | Electrical and Computer Engineering |
| Bachelor's thesis | 1978 | Faculty of Technical Sciences - Novi Sad | Electrical and Computer Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | EE305 | Power Electronics 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 2. | EE308 | Power Electronics 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 3. | Z107 | Electrical Engineering, Environment and Protection | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | EE0406 | Electric Power Quality | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 5. | EE431 | Renewable Sources and Small Power Plants | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 6. | EZ300 | Clean Electrical Energy Sources | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 7. | EZ400 | Clean Energy Sources Design | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 8. | DE209S | Energy Converters in Renewable Energy Sources | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 9. | DE413S | Integration of Distributed Energy Resources | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 10. | DE505S | Power Quality in Distribution Networks | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 11. | DE506S | Renewable Electrical Energy Sources | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 12. | DE509S | Effects of Power Converters on Network and Environment | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 13. | EE406 | Electric Power Quality | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 14. | EE509 | Market and Deregulation in Electric Power Industry | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 15. | S0I51Ž | Electrical Substation and Electric Traction | ( S00) Traffic and Transport Engineering, Master Academic Studies |
| 16. | EE544 | Renewable energy sources | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 17. | EE564 | Distributed Energy Resources | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 18. | ZCM02 | Clean technologies for electrical vehicles | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 19. | ZCM08 | Renewable and Distributed Electrical Energy Sources | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 20. | DE108 | FACTS Devices and Electric Power Quality | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |
| 21. | DE113 | Application of Power Electronics in Power Systems | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |
| 22. | DE209 | Energy Converters in Renewable Power Sources | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |

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

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

Representative refferences (minimum 5, not more than 10)


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


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

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

| | | | | |
|---|---|---|---|---|
| Current projects : | Domestic : | 5 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Katić M. Marina |
| Academic title: | Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.10.2001 |
| Scientific or art field: | English |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | English |
| Master's thesis | 2009 | Faculty of Philology - Beograd | English |
| Magister thesis | 2006 | Faculty of Philology - Beograd | Engineering Management |
| Bachelor's thesis | 1987 | Faculty of Philosophy - Novi Sad | English |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | AEJ1L | English Language - Elementary | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | AEJ2L | English Language intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 3. | AEJ2Z | English intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 4. | AEJ3Z | English Language - upper intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 5. | EJ01L | English Language – Elementary | ( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 6. | EJ01Z | English Language - Elementary | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 7. | EJ02L | English Language – Pre-Intermediate | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | EJ02Z | English Language – Pre-Intermediate | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 9. | EJ03Z | English Language - Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | EJ04L | English Language – Upper Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 12. | EJ2L | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 13. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 14. | EJ3L | English Language – Advanced | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 15. | EJE5 | English Language – First Certificat 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 16. | EJE6 | English Language - First Certificate 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 17. | EJEI | English Language for Engineers | ( H00) Mechatronics, Undergraduate Academic Studies |
| 18. | EJEI1 | English in Engineering 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 19. | EJEI2 | English in Engineering 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 20. | EJF5 | English Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 21. | EJF6 | English Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 22. | EJGR | English Language – ESP Course | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 23. | EJM | English Language – ESP Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 24. | EJPST | English Language in Postal Traffic | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 25. | EJSIT | English Language in Traffic and Transport | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 26. | EJZ | English Language - Specialized | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 27. | F320 | English Language – ESP Course 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 28. | F321 | English Language – ESP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 29. | ISIT01 | English Language 1 | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 30. | ASI381 | English language 1 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 31. | ASI431 | English Language 2 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 32. | BMI80 | English 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 33. | BMI81 | English 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 34. | EJIIM | English for Specific Purposes | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 35. | ETI10 | English Language-Lower | ( E02) Electronics and Telecommunications, Undergraduate Professional Studies |
| 36. | SSIP21 | English Language | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 37. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 38. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 39. | eja | English Language – a Specialized Course | (AH0) Architecture, Master Academic Studies |
| 40. | EJE7 | English Language - Advanced | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 41. | F507 | English Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 42. | NIT03 | Business English | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 1. | Marina Katić, Kostadin Pušara, “Standardization of E-Commerce Terminology“, Annals of the Faculty of Engineering Hunedoara, Vol.III, Part 2, 2005, ISSN 1584-2665, Edition Mirton, Timisoara (Romania), pp.31-36. |
| 2. | M.Katić, “O tehnikama prevođenja nekih engleskih termina energetske elektronike”, 11th International Symposium on Power Electronics – Ee 2001, Novi Sad, Oct.-Nov.2001, pp.154-157. |
| 3. | M.Katić, “Terminology of E-Commerce”, 7th International Symposium on Interdisciplinary Regional Research – ISIRR 2003, Hunedoara (Romania), Sept. 2003, CD-ROM – Paper 0104. |
| 4. | M.Katić, “Key Terms of Business Environment”, PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 2003, . |
| 5. | Marina Katić, Kostadin Pušara, “Need for E-Commerce Term Standardization and Harmonization”, Western Business & Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM. |
| 6. | Marina Katić, Kostadin Pušara, “Standardization of E-Commerce Terminology“, VIII International Symposium on Interdisciplinary Regional Research - ISSIR 2005, Szeged (Hungary), 19-21. 04. 2005., University of Szeged, CD ROM. |
| 7. | M.Katić, “Deregulacija u elektroprivredi sa aspekta tumačenja i prevođenja engleskih termina na srpski jezik”, III Jugoslovensko savetovanje o elektrodistributivnim mrežama, JUKO-CIRED, Vrnjačka Banja, Okt. 2002, Sveska 4, P-7.04, pp.153-158, (knjiga i CD ROM). |
| 8. | M.Katić, “Engleski jezik u službi međunarodnog menadžmenta“, XII međunarodna konferencija Industrijski sistemi – IS 2002, Vrnjačka Banja, Nov. 2002, pp.146-151 |
| 9. | M.Katić, “Anglicizmi u jeziku tehnike”, XLVII Konferencija ETRAN, Herceg Novi, Jun 2003, CD-ROM i knjiga, Sveska 3, pp. 241-244. |
| 10. | M.Katić, K.Pušara, „Zašto je potrebna standardizacija termina elektronske trgovine“, XLIX Konferencija za ETRAN, Budva, 05.-10. 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241. |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Kiurski S. Jelena |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.12.2001 |
| Scientific or art field: | Graphic Engineering and Design |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2011 | Faculty of Technical Sciences - Novi Sad | Graphic Engineering and Design |
| PhD thesis | 1997 | Faculty of Technology - Novi Sad | Physical Chemistry Science |
| Magister thesis | 1981 | Faculty of Technology - Novi Sad | Physical Chemistry Science |
| Bachelor's thesis | 1974 | Faculty of Technology - Novi Sad | Chemist Science |

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

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

Representative refferences (minimum 5, not more than 10)


1. J.Janjić, J.Kiurski, "Nonflame Atomic Fluorescence as a Method for Mercury Traces Determination", Water Research, 28(1), 233-235 (1994)
2. J.Janjić, Lj.Čonkić, J.Kiurski, J.Benak, "A Method for Arsenic Level Determination an a Device for Arsenic Elimination from Drinking Water", Water Research, 31(3), 419-428 (1997)
3. J.Kiurski, D.Ž.Obadović, R.Marinković-Nedučin, E.Kiš, “Spinel-Type Structure of Co in Conditions of HDS Catalysts Aging”, Polyhedron, 18(5), 741-747 (1999)
4. J.S. Kiurski, J.G. Ranogajec, A.L.Ujhelji, M.M.Radeka, M.T.Bokorov, “Evaluation of the effect of lichens on ceramic roofing tiles by scanning electron microscopy and energy-dispersive spectroscopy analyses”, Scanning, 27, 113-119 (2005)
5. M.Radeka, J.Ranogajec, J.Kiurski, S.Markov, R.Marinkovic-Neducin," Influence of lichen biocorosion on the quality of ceramic roofing tiles", Journal of the European Ceramic Society 27 (2007) 1763-1766
6. E.Kiš, R.Marinković-Nedučin, G.Lomić, G.Bošković, D.Ž.Obadović, J.Kiurski, P.Putanov, Structural and Textural Properties of the NiO-Al2O3 Catalyst”, Polyhedron, 17(1), 27-34 (1998)
7. D.Ž.Obadović, J.Kiurski, R.Marinković-Nedučin, Electronic States of Ni(II) in Spinel-Type Structure”, Polyhedron, 15(20), 3631-3634 (1996)
8. J.S.Kiurski, D.Ž.Obadović, R.M.Marinković-Nedučin,“Energies of electronic states of promoter ions in hydrodesulfurization catalysts”,React.Kinet.Catal.Lett., Vol.82, No.1, 41-47 (2004)
9. JS Kiurski, DŽ Obadović, EE Kiš, RP Marinković-Nedučin, “Electronic states of Mn(II) in the kaolinite nanostructure”, React.Kinet.Catal.Lett., Vol.84,No.2, 359-366 (2005)

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 10. | R.D.Mićić, R.P. Marinković-Nedučin, Z.Schay, I.Nagy, J.S. Kiurski, E.E.Kiss, «Influence of the activation temperature on structural and textural properties of NiMo/Al2O3 hydrodesulfurization catalysts», React.Kinet.Catal.Lett. 91(1), 85-92 (2007) |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 54 | | | |
| Total of SCI(SSCI) list papers : | 30 | | | |
| Current projects : | Domestic : | 1 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Knežević .. Petar |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Sciences - Novi Sad |
| | 01.02.2006 |
| Scientific or art field: | Microbiology |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Sciences - Novi Sad | Microbiology |
| PhD thesis | 2009 | Faculty of Sciences - Novi Sad | Microbiology |
| Magister thesis | 2005 | Faculty of Sciences - Novi Sad | Microbiology |
| Bachelor's thesis | 2002 | Faculty of Sciences - Novi Sad | Biological Science |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z208 | Biochemical and Macrobiological Principles | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Knežević P., Petrović O.: Antibiotic resistance of commensal Escherichia coli isolated from food producing animals of three Vojvodinian farms, Serbia. International Journal of Antimicrobial Agents. 2008, 4(31):360-363 |
| 2. | Knežević P., Ćurčin S., Aleksić V., Petrušić M., Vlaški (rođ. Savić) Lj.: Phage-antibiotic synergism: a possible approach to combatting Pseudomonas aeruginosa. pii: S0923-2508(12)00126-X. doi: 10.1016/j.resmic.2012.08.008., RES MICROBIOL, 2012, ISSN 0923-2508 |
| 3. | Knežević P., Obreht D., Ćurčin S., Petrušić M., Aleksić V., Kostanjšek R., Petrović O.: Phages of Pseudomonas aeruginosa: response to environmental factors and in vitro ability to inhibit bacterial growth and biofilm formation , Journal of Applied Microbiology, 2011, Vol. 111, No 1, pp. 245-254 |
| 4. | Vukašinović E., Vujović G., Knežević P., Kojić D., Prvulović D., Miljanović B., Grubor-Lajšić G.: Water Quality Assessment in Lakes of Vojvodina, International Journal of Environmental Research, 2011, Vol. 5, No 4, pp. 891-900, ISSN 1735-6865 |
| 5. | Knežević P.: A colorimetric microtiter plate method for assessment of phage effect on Pseudomonas aeruginosa biofilm. , Journal of Microbiological Methods, 2008, Vol. 47, No 2-3, pp. 114-118 |
| 6. | Petrović O., Knežević P., Jelena M., Rončević S.: Screening method for detection of hydrocarbon-oxidizing bacteria in oil-contaminated water and soil specimens., Journal of Microbiological Methods, 2008, Vol. 74, No 2-3, pp. 110-113 |
| 7. | Simeunović J., Svirčev Z., Karaman M., Knežević P., Melar M.: Cyanobacterial blooms and first observation of microcystin occurrences in freshwater ecosystems in Vojvodina region (Serbia)., Fresenius Environmental Bulletin, 2010, Vol. 19, No 2, pp. 198-207, ISSN 1018-4619 |
| 8. | Karaman M., Mimica-Dukić N., Knežević P., Svirčev Z., Matavulj M.: Antibacterial properties of selected lignicolous mushrooms and fungi from northern Serbia, International journal of medicinal mushrooms, vol. 11 br. 3, str. 269-279., 2009, Vol. 11, No 3, pp. 269-279 |
| 9. | Knežević P., Kostanjsek R., Obreht D., Petrović O.: Isolation of Pseudomons aeruginosa specific bacteriophages with broad activity spectra, Current Microbiology, 2009, No 59, pp. 173-180, ISSN 1432-0991 |
| 10. | Teodorović I., Planojević I., Knežević P., Radak S., Nemet I.: Sensitivity of bacterial vs acute Daphnia magna toxicity test to metals, Central European Journal of Biology, 2009, Vol. 4, No 4, pp. 482-492, ISSN 1895-104X |

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: | Kolaković R. Srđan |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.09.2002 |
| Scientific or art field: | Hydrotechnics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2003 | Faculty of Technical Sciences - Novi Sad | Hydrotechnics |
| Magister thesis | 1998 | Faculty of Civil Engineering - Beograd | Hydrotechnics |
| PhD thesis | 1993 | Faculty of Civil Engineering Subotica - Subotica | Hydrotechnics |
| Bachelor's thesis | 1982 | Faculty of Civil Engineering Subotica - Subotica | Hydrotechnics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | GG18 | Fundamentals in Hydromechanics and Hydrotechnics | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 2. | GG301 | Hydrotechnical Facilities and Systems | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 3. | GH406 | Hydrotechnical Ameliorations | (G00) Civil Engineering, Undergraduate Academic Studies |
| 4. | GI308A | Fundamentals in Civil Engineering | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies |
| 5. | URZP59 | Flood Defense Measures | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 6. | Z210 | Fundamentals of Water Protection | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z417 | Methods and Systems for Water Treatment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z417 | Postupci i postrojenja za tretman voda(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | GG506 | Professional Practice | (G00) Civil Engineering, Master Academic Studies |
| 10. | GH505 | Framework Directives E3 (WDF) | (G00) Civil Engineering, Master Academic Studies |
| 11. | MPK028 | Hydrotechnical objects and systems | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 12. | DGI002 | Selected Chapters in Engineering Geodesy | ( GI0) Geodesy and Geomatics, Doctoral Academic Studies |
| 13. | DGI019 | Selected Chapters in Municipal Information Systems | ( GI0) Geodesy and Geomatics, Doctoral Academic Studies |
| 14. | GD006 | Selected Chapters in Hydraulics | ( G00) Civil Engineering, Doctoral Academic Studies |
| 15. | GD016 | Selected Chapters in Water Regulation and Protection | ( G00) Civil Engineering, Doctoral Academic Studies |
| 16. | GD026 | Selected Chapters in Hydro-infortmacis | ( G00) Civil Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Trajkovic, S., Kolakovic, S.: Evoluation of Reference Evapotranspiration Equations under Humid Conditions, Wather Resources Mangement, 2009, vol. 23 br. 14, str. 3057-3067 UDK: doi: 10.1007/s11269-009-9423-4 |
| 2. | Trajkovic, S., Kolakovic, S.: Comparison of Simplified Pan-Based Equations for Estimating Reference Evapotranspiration, Journal of Irrigation and Drainage Enginering, American Society of Civil Engineers (ASCE), 136(2), 137-140, 2010., ISSN 0733-9437 |
| 3. | Trajkovic S., Kolakovic S., Estimating Reference Evapotranspiration Using Limited Weather Data, Journal of Irrigation and Drainage Engineering -ASCE, Vol. 135, Number 4. str. 443-449 ISSN 0733-9437, 2009. |
| 4. | Trajkovic S., Kolakovic S., Wind-adjusted Turc equation for estimating reference evapotranspiration at humid European locations, Hidrology Research (formerly Nordic Hidrology), 2009, Vol. 40, No. 1, str. 45- 52, ISSN 0029-1277. |
| 5. | Stipic M., Prodanovic D., Kolakovic S., Rationalization and reliability improvement of fire fighting systems in big cities, Urban Water, 008, vol. 6 br. 2, str. 169-181, ISSN 1462-0758. |
| 6. | Kolakovic S., Stevanovic D., Milićević D., Trajković S., Milenković S., Kolaković S.S., Anđelković Lj.: EFFECTS OF REACTIVE FILTERS BASED ON MODIFIED ZEOLITE IN DAIRY INDUSTRY WASTEWATER TREATMENT PROCESS, Chemical Industry & Chemical Engineering Quarterly, DOI:10.2298/CICEQ120629092K |
| 7. | HIDROTEHNIČKE MELIORACIJE – ODVODNJAVANJE (dopunjeno izdanje sa zadacima i CD diskom sa softverom za proračun ETP) , autori: Srđan Kolaković i Slaviša Trajković, Edicija “Tehničke nauke”, Fakultet tehničkih nauka – Novi Sad i Građevinsko-arhitektonski fakultet u Nišu (zajednički udžbenik na dva fakulteta), ISBN I86-789-002-5, 626.86(075.8) 335 strana. |
| 8. | O PRELIVIMA UZ NASUTE BRANE, (monografija) , G.Hajdin, S.Kolaković, L.Hovanj, Đ.Fabian, Građevinski fakultet - Subotica, 1998., ISBNI 86-80297-22-4Naučna knjiga i monografija nacionalnog značaja |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 9. | PUBLIC OPINION SURVEY AS A FORM OF PUBLIC PARTICIPATION IN THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE-LESKOVAC FIELD IRRIGATION, FACTA UNIVERSITAS, SERIES:ARCHITECTURE AND CIVIL ENGINEERING, 3 (2), 173-184, 2005, 14, Trajković, S., Kolaković, S., Injatović, M. |
| 10. | Kolakovic S., Fabian Đ., Santrac P.; STATE OF CHANNEL BEGA 300 YEARS AFTERWARD ITS COMPLETION, Workshop on the Bega Channel, Subotica 19-21 october 2001 |

| 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 : | 3 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Kosec L. Borut |
| Academic title: | Guest Professor |
| Name of the institution where the teacher works full time and starting date: | - |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 1998 | University of Ljubljana - Ljubljana | Metallurgical Engineering |
| Magister thesis | 1993 | University of Ljubljana - Ljubljana | Metallurgical Engineering |
| Bachelor's thesis | 1989 | University of Ljubljana - Ljubljana | Metallurgical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z309A | Solid Waste Management | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | Z309A | Upravljanje čvrstim otpadom(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | Z508 | Specific Design Conditions in Environment Protection | (Z20) Environmental Engineering, Master Academic Studies |
| 4. | ZR501 | Hazardous Materials and Hazardous Waste | ( Z01) Safety at Work, Master Academic Studies |
| 5. | Z508 | Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 6. | GH508 | Landfill desing and municipal waste treatmant systems | (G00) Civil Engineering, Master Academic Studies |
| 7. | SZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 8. | SZSP09 | Remediation of contaminated locations | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 9. | SZSP18 | Contemporary scientific approaches in life cycle assessment of products (LCA) | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 10. | SZSP21 | Design and Planning Processes to Minimize Waste and Hazardous Materials | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 11. | ZR406A | System Regulations and EU Practice in Occupational Health and Safety | ( Z01) Safety at Work, Master Academic Studies |
| 12. | ZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 13. | ZSP09 | Remediation of Contaminated Sites | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 14. | ZSP18 | Modern Scientific Approaches in Product Life Cycle Assessment (LCA) | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 15. | ZSP20 | Systemic Regulation of Environment | ( G00) Civil Engineering, Doctoral Academic Studies |
| 16. | ZSP21 | Design and Planning Processes to Minimize Waste and Hazardous Materials | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Nagode, A., Klančnik, G., Schwarczova, H., Kosec, B., Gojić, M., Kosec, L.: Analyses of defects on the surface of hot plates for an electric stove, Engineering Failure Analysis 23, pp. 82-89, 2012, ISSN 1350-6307. |
| 2. | Agarski, B., Budak, I., Kosec, B., Hodolic, J.: An Approach to Multi-criteria Environmental Evaluation with Multiple Weight Assignment, Environmental Modeling and Assessment 17 (3), pp. 255-266, 2012, ISSN 1420-2026. |
| 3. | Antić, A., Petrović, P.B., Zeljković, M., Kosec, B., Hodolič, J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, Materials and Technology 46 (3), pp. 279-285, 2012, ISSN 1580-2949. |
| 4. | Klobčar, D., Kosec, L., Kosec, B., Tušek, J.: Thermo fatigue cracking of die casting dies, Engineering Failure Analysis 20, pp. 43-53, 2012, ISSN 1350-6307. |
| 5. | Kosec, B., Karpe, B., Nagode, A., Budak, I., Ličen, M., Dordević, M., Kosec, G.: Efficiency and quality of inductive heating and quenching of planetary shafts, Metalurgija 51 (1) , pp. 71-74, 2012, ISSN 0543-5846. |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 6. | Jevremovic, D., Puskar, T., Kosec, B., Vukelic, D., Budak, I., Aleksandrovic, S., Egbeer, D., Williams, R.: The analysis of the mechanical properties of F75 Co-Cr alloy for use in selective laser melting (SLM) manufacturing of removable partial dentures (RPD), Metalurgija 51 (2) , pp. 171-174, 2012, ISSN 0543-5846. |
| 7. | Kores, S., Vončina, M., Kosec, B., Medved, J.: Formation of ALFeSi phase in ALSi12 alloy with Ce addition, Metalurgija 51 (2) , pp. 216-220, 2012, ISSN 0543-5846. |
| 8. | Česnik, D., Bratuš, V., Kosec, B., Bizjak, M.: Distortion of ring type parts during fine-blanking, Metalurgija 51 (2) , pp. 157-160, 2012, ISSN 0543-5846. |
| 9. | Gojić, M., Nagode, A., Kosec, B., KoŽuh, S., Šavli, Š., Holjevac-Grgurić, T., Kosec, L.: Failure of steel pipes for hot air supply, Engineering Failure Analysis 18 (8) , pp. 2330-2335, 2011, ISSN 1350-6307. |
| 10. | Kovačević, D., Budak, I., Antić, A., Kosec, B.: Special finite elements: Theoretical background and application, Tehnicki Vjesnik - Technical Gazette, 18 (4) , pp. 649-655, 2011, ISSN 1330-3651. |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 93 | | | |
| Total of SCI(SSCI) list papers : | 39 | | | |
| Current projects : | Domestic : | 1 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Kovač P. Pavel |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.12.1975 |
| Scientific or art field: | Processes for Material Removal Processing |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 1998 | Faculty of Technical Sciences - Novi Sad | Processes for Material Removal Processing |
| PhD thesis | 1987 | Faculty of Technical Sciences - Novi Sad | Processes for Material Removal Processing |
| Magister thesis | 1980 | Faculty of Technical Sciences - Novi Sad | Processes for Material Removal Processing |
| Bachelor's thesis | 1975 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P1406 | Theory of Machining Processes | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P1507 | Inovational Technologies | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P208 | Technology for Cutting Processing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | P2617 | Planning Methods and Experiment Processing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P305 | Nonconventional Procedures in Processing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | P4410 | Design and Product Functionality | ( P00) Production Engineering, Undergraduate Academic Studies |
| 7. | ZR320 | Experimental Analysys of Safety and Health on Workplace | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | P316A | Technology for Microcutting Processes | ( P00) Production Engineering, Undergraduate Academic Studies |
| 9. | P1501 | Ecological Technologies and Systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 10. | P1505 | Modelling and Simulation in Processing | ( PM0) Production Engineering, Master Academic Studies |
| 11. | P1509 | Highly Productive Processing | ( PM0) Production Engineering, Master Academic Studies |
| 12. | P3502 | Mold and die machining technology | ( PM0) Production Engineering, Master Academic Studies |
| 13. | PIP16 | Plastics and environmental protection | ( PM0) Production Engineering, Master Academic Studies |
| 14. | PP101 | Inteligent Forming Processes | ( PM0) Production Engineering, Master Academic Studies |
| 15. | SDOM30 | Probability, Statistics and Theory of Engineering Experiment | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 16. | DOM30 | Probability, Statistics and Theory of Engineering Experiment | ( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 17. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 18. | DP002 | State and Trend in Forming by Material Removal | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | DP009 | Artificial Intelligence Application in Forming by Material Removal | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 20. | DP013 | Ecological Engineering Aspects | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 21. | DP020 | State and Tendencies in Development of Unconventional Forming Processes | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 22. | DP021 | Selected Chapters in Micro and Nano Forming by Material Removal | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

1. Kovač P., Milikić D.:Rezanje metala, Univerzitet u Novom Sadu, 1998

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 2. | Kovač P., Milikić D.,Gostimirović M.,Sekulić M., Savkovic.,B.: Zbirka zadataka iz tehnologije obrade rezanjem , Fakultet tehničkih nauka, Novi Sad, 2011. |
| 3. | Kovač Pavel, Metode planiranja i obrade eksperimenata, FTN Novi Sad, 2011 |
| 4. | Kovač P. : Podloge za upravljanje procesom čeonog glodanja, FTN, IPM, Novi Sad, 1988 |
| 5. | Kovač P.: Modeliranje procesa obrade-faktorni planovi eksperimenta, Fakultet tehničkih nauka, Novi Sad, 2006 |
| 6. | Kovač P.: Teorija obradnih procesa -praktikum za vežbe, Fakultet tehničkih nauka , Novi Sad, 2007 |
| 7. | Kovač P., Rodić D., Pucovsky V., Savković B., Gostimirović M.: APPLICATION OF FUZZY LOGIC AND REGRESSION ANALYSIS FOR MODELING SURFACE ROUGHNESS IN FACE MILLIING, Journal of Intelligent Manufacturing, 2012, ISSN 0956-5515, UDK: DOI 10.1007/s10845-012-0623-z |
| 8. | Šiđanin L., Kovač P.: Fracture mechanisms in chip formation processes, Materials Science and Technology, Vol. 13, 1997, pp. 439-444 |
| 9. | Pavel Kovač, Zuzana Palkova, Proizvodno mašinstvo i obnovljivi izvori energije, FTN Novi Sad 2011 |
| 10. | Kovač P., Šiđanin L.: Investigation of chip formation during milling, Int. J. Production Economic, 51, 1997, pp. 149-153 |


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 7 | | | |
| Total of SCI(SSCI) list papers : | 15 | | | |
| Current projects : | Domestic : | 1 | International : | 7 |

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | 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. | URZP15 | Work safety during interventions | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 4. | Z202 | Construction and the Living Environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z202A | Building and Environment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 6. | Z423 | Natural Materials in Construction | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | ZP503 | Fire Protection Planning and Design | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 8. | ZP505 | Fire Safety Engineering Design of Structures | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 9. | ZR404 | Occupational Safety Systems, Means and Equipment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 10. | Z202 | Graditeljstvo i životna sredina(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | Z423 | Prirodni materijali u graditeljstvu(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 12. | ASI322 | Ecology and Design | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 13. | IM1715 | Risks and Hazards at Work and in the Working Environment | (I20) Engineering Management, Undergraduate Academic Studies |
| 14. | ZP509 | Investigation of Fire and Explosion | ( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |
| 15. | IM2718 | Fire Risk Management in Industry | (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 |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 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: | Leber J. Marjan |
| Academic title: | Guest Professor |
| Name of the institution where the teacher works full time and starting date: | - |
| Scientific or art field: | Proizvodni sistemi, organizacija i menadžment-projektovanje proizvodnih |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Proizvodni sistemi, organizacija i menadžment-projektovanje proizvodnih sistema |
| PhD thesis | 2003 | University of Maribor - Maribor | Production Systems, Organization and Management |
| Magister thesis | 1993 | University of Maribor - Maribor | Production Systems, Organization and Management |
| Bachelor's thesis | 1982 | University of Maribor - Maribor | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | IM1039 | Fundamentals of Operations management | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 2. | IM1119 | Product management at end of life | (I20) Engineering Management, Undergraduate Academic Studies |
| 3. | ZR401A | Science on Work | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 4. | EI504 | Management of Small and Medium Enterprises | ( MR0) Measurement and Control Engineering, Master Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 5. | ZR502 | Occupational Risk Assessment | ( Z01) Safety at Work, Master Academic Studies |
| 6. | IM2102 | Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS) | ( I10) Industrial Engineering, Master Academic Studies<br>( M50) Energy Management, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |
| 7. | IM2222 | Managing Innovation Projects | ( M50) Energy Management, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |
| 8. | IM2315 | Product and Process Improvement Projects | (I20) Engineering Management, Master Academic Studies |
| 9. | IM2316 | Theory of Constraints | ( I10) Industrial Engineering, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |
| 10. | IM2319 | Project evaluation | ( OM1) Mathematics in Engineering, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |
| 11. | IM2922 | eHRM | (I20) Engineering Management, Master Academic Studies |
| 12. | ZRD27A | Operations management in the security and occupational safety | ( Z01) Safety at Work, Doctoral Academic Studies |
| 13. | ZRD28A | Selected topics in the science of occupational safety | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | POLAJNAR, Andrej, LEBER, Marjan, VUJICA-HERZOG, Nataša. Muscular-skeletal diseases require scientifically designed sewing workstations. Stroj. vestn., 2010, vol. 56, no. 1, str. 31-40. http://sl.sv-jme.eu/scripts/download.php?file=/data/upload/2010/01/ 4_2008_118_Polajnar_zl.pdf. [COBISS.SI-ID 13950486] |
| 2. | POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Analysis of different transport solutions in the flexible manufacturing cell by using computer simulation. Int. j. oper. prod. manage., 1995, let. 15, št. 6, str. 51-58. [COBISS.SI-ID 7611908] |
| 3. | POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Racionalizacija v serijski proizvodnji po načelih tipske tehnologije = Rationalization of series production by applying the principles of type technology. Stroj. vestn., 1995, let. 41, št. 7/8, str. 263-270. [COBISS.SI-ID 7901444] |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 4. | LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Načrtovanje zanesljivosti izdelkov in proizvodnih sistemov z upoštevanjem analize mogočih napak in njihovih posledic = Planning of product reliability and production systems by using failure modes and effects analysis. Stroj. vestn., 1994, let. 40, št. 9/10, str. 333-338. [COBISS.SI-ID 6902532] |
| 5. | KALPIČ, Branko, POLAJNAR, Andrej, LEBER, Marjan, BUCHMEISTER, Borut. Navidezna resničnost - simulirno orodje prihodnosti = Virtual reality - simulation tool of the future. Stroj. vestn., 1998, let. 44, št. 5/6, str. 187-194. [COBISS.SI-ID 2631963] |
| 6. | BUCHMEISTER, Borut, LEBER, Marjan, PAVLINJEK, Jože. Impact of periodic changing demand to supply chain inventories. Mech. Eng. Sci. J. (Skopje), 2007, vol. 26, no. 2, str. 79-86. [COBISS.SI-ID 12189974] |
| 7. | LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Successful FMEA study based on QFD analysis. Acta Mech. Slovaca (Košice), 2002, ročnik 6, 2, str. 187-190. [COBISS.SI-ID 7165206] |
| 8. | POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Simulationsvergleich von Modellen für die Layoutplannung. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 277-279. [COBISS.SI-ID 6328580] |
| 9. | LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Qualitätssicherung der Produktionsplannung durch Anwendung der Fehlermöglichkeits- und Einflussanalyse. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 324-327. [COBISS.SI-ID 6328836] |
| 10. | FULDER, Tatjana, PIŽMOHT, Petja, POLAJNAR, Andrej, LEBER, Marjan. Ergonomically designed workstation based on simulation of worker's movements. Int. j. simul. model., Mar. 2005, vol. 4, no. 1, str. 27-34. [COBISS.SI-ID 9448214] |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Ličen S. Branislava |
| Academic title: | Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 07.04.2005 |
| Scientific or art field: | English |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | English |
| Bachelor's thesis | 2009 | Faculty of Philosophy - Novi Sad | Philology |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | AEJ1L | English Language - Elementary | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | AEJ2L | English Language intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 3. | AEJ2Z | English intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 4. | AEJ3Z | English Language - upper intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 5. | E21I0 | Izborni strani jezik 1 | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 6. | EJ01L | English Language – Elementary | ( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 7. | EJ01Z | English Language - Elementary | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 13. | EJ2L | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 14. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 15. | EJ3L | English Language – Advanced | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 16. | EJE5 | English Language – First Certificat 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 17. | EJE6 | English Language - First Certificate 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 18. | EJEI | English Language for Engineers | ( H00) Mechatronics, Undergraduate Academic Studies |
| 19. | EJEI1 | English in Engineering 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 20. | EJEI2 | English in Engineering 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 21. | EJF5 | English Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 22. | EJF6 | English Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 23. | EJGR | English Language – ESP Course | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 24. | EJM | English Language – ESP Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 25. | EJPST | English Language in Postal Traffic | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 26. | EJSIT | English Language in Traffic and Transport | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 45. | NIT03 | Business English | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | ''Formal and Aesthetic Aspects of Nadine Gordimer's Short Story'', Romanian Journal of English Studies, University of the West Timisoara, br. 7, 2010., str.191-198. |
| 2. | ''Summarization Skills of Engineering Students' Reading in a Second Language'', Jezik struke, izazovi i perspektive, Univerzitet u Beogradu, 2011., str. 291-299. |
| 3. | ''On Race, Ethnicity and Gender in Nadine Gordimer's 'Jump and Other Stories'', Selected Papers in Literature and Culture from the 9th HUSSE Conference, Pecs, 2010., str. 285-290. |
| 4. | ''Living in the Interregnum: Nadine Gordimer's 'Conservationist', 'Burger's Daughter' and 'July's People'', B.A.S. Conference on British and American Studies, University of the West Timisoara, br.XXI, maj 2011., str. 28. |
| 5. | ''Preispitivanje istorijskog konteksta u Barnsovom romanu Floberov papagaj'', Sveske, br.100, Pančevo, jun 2011., str. 69-77. |
| 6. | ''Kreiranje udžbenika za stručni engleski jezik za studente različitog predznanja'', Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str.445-454. |
| 7. | ''Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu'', Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str. 170-176. |
| 8. | Zajednica i pojedinac u delima Toni Morison u romanima Najplavlje oko, Sula, Voljena i Katreno luče, 2009. |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Lukić J. Tibor |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.07.2012 |
| Scientific or art field: | Mathematics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Mathematics |
| PhD thesis | 2011 | Faculty of Technical Sciences - Novi Sad | Mathematics |
| Magister thesis | 2004 | Faculty of Sciences - Novi Sad | Mathematical Sciences |
| Bachelor's thesis | 1998 | Faculty of Sciences - Novi Sad | Mathematical Sciences |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E212 | Mathematical Analysis 1 | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 2. | E213 | Discrete Mathematics and Linear Algebra | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 3. | E221A | Mathematical Analysis 2 | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 4. | IAM004 | Geometry of Discrete Space | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 5. | M106 | Mathematics 2 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | M4201 | Mathematics 3 | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 7. | M4202 | Applied Mathematical Analysis | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 8. | Z104 | Mathematics 1 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

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

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Tibor Lukic, Nebojsa M. Ralevic, Geometric Mean Newton"s Method for Simple and Multiple Roots, Elsevier, Applied Mathematics Letters 21, pp. 30-36, 2008. |
| 2. | Joakim Lindblad, Nata ša Sladoje, and Tibor Lukic, Feature Based Defuzzication in Z2 and Z3 Using a Scale Space Approach, Springer-Verlag, Volume 4245,of Lecture Notes in Computer Science, pp. 378-389, 2006. |
| 3. | Tibor Lukic, Natasa Sladoje, and Joakim Lindblad, Deterministic Defuzzication based on Spectral Projected Gradient Optimization, Springer-Verlag, Volume 5096 of Lecture Notes in Computer Science, pp. 476-485, 2008. |
| 4. | Zorana Lu žanin and Tibor Lukic, Convergence of the MRV method at singular points, Volume 35 of Novi Sad Journal of Mathematics, pp. 71-79, 2005. |
| 5. | Tibor Lukic, Neboj ša M. Ralevic and Aniko Lukity, Application of Aggregation Operators in Solution of Nonlinear Equations, Proceedings of 4th Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 329-339, Subotica, 2006. |
| 6. | Tibor Lukic and Neboj ša M. Ralevic, Newton"s Method with Accelerated Convergence Modified by an Aggregation Operator, Proceedings of 3rd Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 121-128, Subotica, 2005. |
| 7. | Tibor Lukic, Joakim Lindblad, and Natasa Sladoje, Regularized Image Denois- ing Based on Spectral Gradient Optimization, Inverse Problems, Vol. 27:085010, IOP Publishing, 2011. |
| 8. | Lukić T.: Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Lecture Notes in Computer Science, LNCS, 2012 |
| 9. | Tibor Lukic, Benedek Nagy, Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Proceedings of Combi- natorial Image Analysis - 15th International Workshop (IWCIA), Austin (TX), USA, LNCS, Vol. 7655, Springer-Verlag, pp. 274-284, 2012. |
| 10. | Zorana Luzanin and Tibor Lukic, Convergence of the MRV method at singular points, Novi Sad Journal of Mathematics, Vol. 35, pp. 71{79, 2005. |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 0 | | | |
| Total of SCI(SSCI) list papers : | 8 | | | |
| Current projects : | Domestic : | 2 | International : | 0 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Malešev T. Petar |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 12.11.1975 |
| Scientific or art field: | Machine Constructions, Transport Systems and Logistics |

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

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

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

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Vladić J., Malešev P., Šostakov R., Brkljač N.: Dynamic analysis of the load lifting mechanisms, STROJNIsKI VESTNIK - JOURNAL OF MECHANICAL ENGINEERING, 54(10), pp. 655-661, 2008. |
| 2. | P.Malešev, J.Vladić, M.Plavšić: Influence of boom cylinder diameter in the duration of lifting hydraulic excavator working device with loaded bucket, XIII Mežnarodnaja naučno-tehničeskaja konferencija "Razvitie sproitelnih mašin...", Moskva, 1996. godine, zbornik radova, strane 292-295 |
| 3. | J.Vladić, P. Malešev: Charakteristics of modeling the transport and civil engineering machines from the aspect of the application of universal programme packages, XIV Međunarodni naučno-stručni skup Transport u industriji, Beograd, 1996. godine, Zbornik radova, strane 4.8-4.13 |
| 4. | P.Malešev, M.Plavšić, J.Vladić: Primena kvazistatičke simulacije kod određivanja ekstremnih naprezanja nosećih konstrukcija, XIII Međunarodni skup Transport u industriji, Beograd, 1994. godine, Zbornik radova, strane 233-238 |
| 5. | P. Malešev: Die Aehnlichkeitslehre in der Konstruktion, časopis "Hebezeuge und Foerdermittel", Berlin, Nr. 3, 1998. godina, strane 72-73 |
| 6. | J.Vladić, P.Malešev, N.Babin: Experimental analysis of bicable ropeway dynamic behaviour, Mežnarodnaja naučno-tehničeskaja konferencija "Razvitie stroitelnih mašin...", Moskva, 1996. godine, Zbornik radova, strane 300-303 |
| 7. | P. Malešev, J.Vladić: Examination of hydraulic excavator dynamic loads, Časopis Agricultural engineering, Novi Sad, vol. V, broj 1-4, 1999. godine, strane 21-29 |
| 8. | P.Malešev, M.Plavšić: Kriterijum nepromenljivosti odnosa ugaonih brzina pri izboru hidrocilindara bagerskog uređaja, Časopis Tehnika, Beograd, broj 3-4, 1997. godine, strane 1-4 |
| 9. | P. Malešev: O mogućnosti primene raspodela potrebnih sila u hidrocilindrima bagerskog uređaja pri njihovom dimenzionisanju, Časopis Tehnika, Beograd, broj 5-6, 1996. godine, strane 13-16 |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 10. | P.Malešev, M.Plavšić, Z.Ristić: Ocena efikasnosti standardima definisanih pokazatelja u vezi mogućnosti razvijanja sila rezanja kod hidrauličnih bagera, Časopis Tehnika, Beograd, broj 11-12, 1991. godine, strane 755-758 |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Maretić B. Ratko |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 18.05.1993 |
| Scientific or art field: | Deformable Body Mechanics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | Deformable Body Mechanics |
| PhD thesis | 1997 | Faculty of Technical Sciences - Novi Sad | Deformable Body Mechanics |
| Magister thesis | 1993 | Faculty of Technical Sciences - Novi Sad | Deformable Body Mechanics |
| Bachelor's thesis | 1987 | Faculty of Technical Sciences - Novi Sad | Deformable Body Mechanics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | A237 | Material Resistance | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | M204 | Strength of Materials | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | M4305 | Thermomechanics | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 4. | URZP14 | Fundamentals of Mechanical Engineering | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 5. | Z108 | Fundamentals of Mechanics | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | BMI127 | Biomechanics | ( BM0) Biomedical Engineering, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 7. | II1004 | Mechanics and Industrial Engineering | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 8. | M44051 | Theory of Plates and Shells | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 9. | M4501 | Industrial Design | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 10. | M4505 | Modelling of non-linear systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 11. | DM403 | Mathematical Rod Theory | ( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 12. | ZRD16A | Selected chapters in mechanics and elasticity theory | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

1. R. Maretic, V. Glavardanov and V. Milosevic-Mitic: Transverse vibrations and stability of a heavy and heated vertical circular plate. International Journal of Structural Stability and Dynamics, 2010, 10(5), 1111-1121.
2. V. Glavardanov, R. Maretic and N. Grahovac: Buckling of a twisted and compressed rod supported by Cardan joints. European Journal of Mechanics A/Solids, 2009, 28, 131- 140.
3. V. Glavardanov and R. Maretic: Stability of a twisted and compressed clamped rod. Acta Mechanica, 2009, 202, 17-33.
4. R. Maretic and V. Glavardanov: Impact of mounting with an overlap on vibration and stability of a rotating annular plate. Journal of Sound and Vibration, 2008, 313, 308- 324.

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 5. | R. Maretic, V. Glavardanov and D. Radomirovic: Asymmetric vibrations and stability of a rotating annular plate loaded by a torque. Meccanica, 2007, 42, 537- 546. |
| 6. | R. Maretic, 2005, “Transverse vibration and stability of an eccentric rotating circular plate”, Journal of Sound and Vibration 280, 467-478. |
| 7. | R. B. Maretic, V. B. Glavardanov, 2004, “Stability of a Rotating Heated Circular Plate with Elastic Support”, Journal of Applied Mechanics, Transactions of the ASME, 71, 897-899. |
| 8. | R. B. Maretic and T. M. Atanackovic, 2001, Journal of Engineering Mechanics Vol 127, 242-247, Buckling of Column with Base Attached to Elastic Half-Space. |
| 9. | L. Cveticanin, R. Maretic, 2000., Mechanism and Machine Theory 35, 1391-1411. Dynamic analysis of a cutting mechanism. |
| 10. | T.M. Atanackovic, R.B. Maretic, J.M. Milidragovic, 1999, Archive of Applied Mechanics 69, 94-104, On the stability of an elastic column positioned on an elastic half space. |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 25 | | | |
| Total of SCI(SSCI) list papers : | 14 | | | |
| Current projects : | Domestic : | 1 | International : | 0 |

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)


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


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Mihajlov N. Anđelka |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | - |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2006 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 1984 | Faculty of Technology and Metallurgy - Beograd | Technological Engineering |
| Magister thesis | 1977 | Faculty of Technology and Metallurgy - Beograd | Technological Engineering |
| Bachelor's thesis | 1974 | Faculty of Technology and Metallurgy - Beograd | Technological Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E0S42 | Renewable sources and environmental protection | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 2. | Z105 | Energy and Environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | Z105A | Energy and the environment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 4. | Z204A | Monitoring of the Living Environment | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z205 | Sustainable Use of Natural Resources and Environmental Protection System | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z309A | Solid Waste Management | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z401A | Design and Planning in Environmental Protection | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z401B | Design and Planning in Environmental Engineering | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 9. | Z409A | Hazardous Waste Management and Recycling Technologies | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | Z309A | Upravljanje čvrstim otpadom(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | M3202 | Identification and reduction of pollution from industry | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 12. | MPK012 | Solid waste management | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 13. | SZD052 | Resource-Efficient and Low-Carbon Development | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 14. | ZD052 | Efficient Use of Natural Resources and Low-Carbon Development | ( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

1. Odrzivi razvoj i zivotna sredina ka Evropi u 95+ koraka, monografija (pomocni udzbenicki materijal), PKS/Ambasadori zivotne sredine, na srpskom (2005), Canada Fund na engleskom (2006)
2. Mihajlov A., Opportunities and challanges for sustainable energy policy in SE European Energy Community Treaty, Renewable and Sustainable Energy Reviews, 14 (2010), pp. 872-875
3. B.Djordjevic, A.Mihajlov, D.Grozdanic, A.Tasic, A.Horvath, Applicability of Redlich-Kwong equation of state and its modifications to polar gases, Chem. Eng.Science, 32, 1103-1107 (1977)
4. B.Djordjevic, A.Mihajlov, A.Tasic, Calculation of heat capacities of gaseous carbonmonoxide by modified RK equation of state, Chem.Eng.Science, 35, 752-753 (1980)

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 5. | B.Djordjevic, A.Mihajlov, A.Tasic, Correlation of Second virial coefficients of polar gases by RK equation of state, AIChE Journal (American Institute of Chemical Engineers Journal), 26(5), 858-862 (1980) |
| 6. | R.Paunovic, S.Jovanovic, A.Mihajlov, Rapid computation of binary interaction coefficients of an equation of state for vapor-liquid equilibrium calculations. Application to the RK-Soave Equation of state, Fluid Phase Equilibria, 6, 141-148 (1981) |
| 7. | A.Mihajlov: A Treaty for a Southeast European Energy Community , p.73-78, u: Stephen Stec, Besnik Baraj, Edited: Energy and Environmental Challenges to Security, Springer, 2008, ISBN ISBN-10: 1402094523 |
| 8. | D.Prokic, A.Mihajlov, “Contaminated sites: solid waste management practice in developing country (Serbia)”, Environment Protection Engineering, 2012, Vol. 38, No.1, pp 81-90 |
| 9. | Lj.Fišang, M.Đurić, R.Marinković-Nedučin, J.Ranogajec, A.Mihajlov, An optimization of fly ash quantity in cement binding, Cement and Concrete Research, 25(7), 1430-1490 |
| 10. | Mihajlov, Andjelka (2012) Needs for Tailored Knowledge and Skill-Based Education for Sustainable Development: Balkan Environment Life Leadership Standards Courses. In Leal Filho, W. (Ed) Sustainable Development at Universities: New Horizons. Peter Lang Scientific Publishers, Frankfurt am Main, Berlin, Bern, Brussels, New York, Oxford, Vienna 994 pp, ISBN 978-3-631-62560-6 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 43 | | | |
| Total of SCI(SSCI) list papers : | 28 | | | |
| Current projects : | Domestic : | 1 | International : | 2 |

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)


1. Stefanović D., Mirković M., Banović A., A contribution to the preparations for work process system development, PSU – UNS International Conference, on Engineering and Environment – ICEE-2007
2. Mirković M., Ćulibrk D., Crnojević V.: Computational Social Networks (Chapter: Mining Geo-Referenced Community-Contributed Multimedia Data), London, Springer, 2012, str. 81-102, ISBN 978-1-4471-4053-5
3. Ćulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D.: Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149
4. Mirković M., Ćulibrk D., Papadopoulos S., Zigkolis C., Kompatsiaris Y., McArdle G., Crnojević V.: A Comparative Study of Spatial, Temporal and Content-based Patterns Emerging in YouTube and Flickr
5. Ćulibrk D., Mirković M., Lugonja P., Crnojević V.: Mining Web Videos for Video Quality Assessment, 2. International Conference of Soft Computing and Pattern Recognition - SocPar, Pariz, 7-10 Decembar, 2010
6. Mirković M., Ćulibrk D., Anderla A., Stefanović D., Milisavljević S.: A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8
7. Stefanović D., Mirković M., Anderla A., Drapšin M., Drid P., Radjo I.: Investigating erp systems success from the end user perspective, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 1089-1099, ISSN 1840-1503
8. Stefanović D., Rakić-Skoković M., Mirković M., Anderla A., Rašić D.: Contemporary Software Business Suites as a Company's Competitive Advantage, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8
9. Ćulibrk D., Žunić I., Mirković M., Šetrajčić I.: PRIMENA ISTRAŽIVANJA PODATAKA NA PREDVIĐANJE PERFORMANSI PROFESIONALNIH KOŠARKAŠA, 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Infoteh, 16-18 Mart, 2011, pp. 539-542, ISBN 978-99938-624-6-8
10. Gavrić K., Lugonja P., Mirković M., Ćulibrk D., Crnojević V.: Detecting Attractive Locations and Tourist' Dynamics Using Geo-referenced Images, 10. TELSIKS - International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Niš, 5-8 Oktobar, 2011, ISBN 978-1-4577-2017-8


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 12 | | | |
| Total of SCI(SSCI) list papers : | 2 | | | |
| Current projects : | Domestic : | 2 | International : | 3 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Mirović Đ. Ivana |
| Academic title: | Lecturer |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.04.1990 |
| Scientific or art field: | English |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | English |
| Bachelor's thesis | 1984 | Faculty of Philosophy - Novi Sad | English |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | AEJ1L | English Language - Elementary | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | AEJ2L | English Language intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 3. | AEJ2Z | English intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 4. | AEJ3Z | English Language - upper intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 5. | EJ01L | English Language – Elementary | ( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 6. | EJ01Z | English Language - Elementary | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | EJ02L | English Language – Pre-Intermediate | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 13. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 14. | EJ3L | English Language – Advanced | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 15. | EJE5 | English Language – First Certificat 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 16. | EJE6 | English Language - First Certificate 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 17. | EJEI | English Language for Engineers | ( H00) Mechatronics, Undergraduate Academic Studies |
| 18. | EJEI1 | English in Engineering 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 19. | EJEI2 | English in Engineering 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 20. | EJF5 | English Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 21. | EJF6 | English Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 22. | EJGR | English Language – ESP Course | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 23. | EJM | English Language – ESP Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 24. | EJPST | English Language in Postal Traffic | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 25. | EJSIT | English Language in Traffic and Transport | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |
| 26. | EJZ | English Language - Specialized | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 27. | F320 | English Language – ESP Course 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 28. | F321 | English Language – ESP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 29. | ISIT07 | English Language 2 | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 30. | ASI381 | English language 1 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 31. | ASI431 | English Language 2 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 32. | BMI80 | English 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 33. | BMI81 | English 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 34. | EJIIM | English for Specific Purposes | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 35. | ETI05 | English language - Elementary | ( E02) Electronics and Telecommunications, Undergraduate Professional Studies |
| 36. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 37. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 38. | eja | English Language – a Specialized Course | (AH0) Architecture, Master Academic Studies |
| 39. | EJE7 | English Language - Advanced | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 40. | F507 | English Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 41. | NIT03 | Business English | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Prevod monografije: Nenad Teofanov: Ultramodulation Spaces and Pseudodifferential Operators, Zadužbina Andrejević |
| 2. | Prevod publikacije o Fakultetu tehničkih nauka, Faculty of Technical Sciences, 2004 |
| 3. | Vesna Bogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2007 |
| 4. | Ivana Mirović i Vesna Bogranović: Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011 |
| 5. | I. Mirović, V. Bogdanović, B. Ličen: Istorijat nastave stručnog engleskog jezika na FTN u Novom Sadu. međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008 |
| 6. | V. Bogdanović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski jezik za studente različitog predznanja, međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008 |
| 7. | I. Mirović, B. Ličen, V. Bogdanović: Summarization skills of engineering students reading in a second language, Language for Specific Purposes, Challenges and Prospects, Belgrade, 2011 |

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

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

Science, arts and professional qualifications

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

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Production Systems, Organization and Management |
| PhD thesis | 2011 | Faculty of Technical Sciences - Novi Sad | Engineering Management |
| Magister thesis | 2007 | Faculty of Technical Sciences - Novi Sad | Engineering Management |
| Bachelor's thesis | 2004 | Faculty of Technical Sciences - Novi Sad | Production Systems, Organization and Management |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E2I41 | Information System Engineering | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies |
| 2. | EOS33 | Entrepreneurial management | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 3. | S002A | Economics | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 4. | II121 | Principles of economics | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 5. | I120 | Principi menadžmenta(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | I201 | Preduzetništvo(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | II1041 | Innovation and Entrepreneurship | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 8. | IM1005 | Entrepreneurship | ( I20) Engineering Management, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | IM1007 | Principles of engineering management | ( I20) Engineering Management, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 10. | IM1215 | Management of small and medium size enterprises | (I20) Engineering Management, Undergraduate Academic Studies |
| 11. | IM1218 | Models of open innovations and corporate entrepreneurship | (I20) Engineering Management, Undergraduate Academic Studies |
| 12. | IMDS97 | Entrepreneurial Management | ( I22) Engineering Management, Specialised Academic Studies |
| 13. | MBA304 | Business Strategies | ( IB0) Engineering Management - MBA, Specialised Professional Studies |
| 14. | NIT07 | Management Skills | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |
| 15. | IMDS66 | Managerial decision-making | ( GI0) Geodesy and Geomatics, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 16. | IMDR97 | Entrepreneurial Management | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |
| 17. | IMDR66 | Managerial decision-making | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Mitrović, S., Grubić-Nešić, L ., Milisavljević, S., Melović, B.,. Zuzana Babinkova (in press) Manager's Assessment of Organizational Culture. E+M Ekonomie a Management ISSN 1212-3609. |
| 2. | Slavica MITROVIĆ, Bozidar LEKOVIĆ, Valentin KONJA, Ana NEŠIĆ (in press). EMPLOYEE TIME MANAGEMENT: A CASE STUDY FROM SERBIA.Metalurgia International, ISSN 1582 – 2214. Vol. (1). |
| 3. | Valentin KONJA, Leposava GRUBIĆ-NEŠIĆ, Slavica MITROVIĆ (2012). LEADER-MEMBER EXCHANGE: A SHORT CASE STUDY FROM A SERBIAN COMPANY. Metalurgia International, ISSN 1582 – 2214. Vol.17 (11), pp. 146-153. |
| 4. | Melović, B., Mitrović, S., Milisavljević, S., Pejanović, R., Ćelić, Đ. (2012). RESEARCH OF CONSUMPTION AND COMPETITIVENESS OF HOMEMADE PRODUCTS FOR MANUFACTURING IMPROVEMENT: CASE STUDY FROM MONTENEGRO. African Journal of Agricultural Research. ISSN 1991-637X .Vol. 7(26), pp. 3757-3764. |
| 5. | S. Mitrovic, S. Milisavljevic, I. Cosic, B. Lekovic, L. Grubic-Nesic, A. Ivanisevic: Changes in leadership styles in a transitional economy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 4 May 2011. ISSN 1993-8233 Academic Journals. |
| 6. | Mitrović, S., Nikolić, J., Milisavljević, S., Ćosić, I. (2012). Factors influencing managerial decision-making in industrial systems, International symposium on industrisl enigneering-SIE, Belgrade. Proceeding page 67-73. ISBN 978-86-7083-758-4 (COBISS:SR-ID 191329292). |
| 7. | Mitrović, S., Melović, B., Ćosić, I. (2012). ENTREPRENEURIAL EDUCATION AS AN EMPLOYMENT-INFLUENCING FACTOR. International entrepreneurship conference „Recruitment in the light of entrepreneurship“, organized by Faculty of Economics, Podgorica, Montenegro. ISBN 978-86-80133-56-0 |
| 8. | Mitrović, S., Milisavljević, S., Melović, B., Grubić-Nešić, L. (2012). Strategic management in the function of overcoming economical crizes, 17 th International Scientific Symposium Strategic management and Decision Support Systems in Strategic Management, Palic-Subotica. ISBN 978-86-7233-305-3 (COBISS.SR-ID 250924295). |
| 9. | Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160. |
| 10. | Lošonc (Losoncz) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehnickih nauka, 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 0 | | | |
| Total of SCI(SSCI) list papers : | 8 | | | |
| Current projects : | Domestic : | 2 | International : | 0 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Mitrović R. Vojin |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | - |
| Scientific or art field: | Engineering Management |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Engineering Management |
| PhD thesis | 2007 | Faculty of Technical Sciences - Novi Sad | Engineering Management |
| Magister thesis | 1984 | Faculty of Technical Sciences - Novi Sad | Engineering Management |
| Bachelor's thesis | 1979 | Faculty of Technical Sciences - Novi Sad | Production Systems, Organization and Management |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | IM1005 | Entrepreneurship | ( I20) Engineering Management, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | IM1027 | Production systems | ( I20) Engineering Management, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 3. | IM1044 | Business process integration | ( I20) Engineering Management, Undergraduate Academic Studies |
| 4. | IM1045 | Innovation in Enterprises | ( I20) Engineering Management, Undergraduate Academic Studies |
| 5. | IM1101 | Production planning and control | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>(I20) Engineering Management, Undergraduate Academic Studies |
| 6. | IM1115 | Business process modelling | (I20) Engineering Management, Undergraduate Academic Studies |
| 7. | IM1206 | Innovation and Change Management | (I20) Engineering Management, Undergraduate Academic Studies |
| 8. | IM1217 | Entrepreneurship and New Business Venturing | (I20) Engineering Management, Undergraduate Academic Studies |
| 9. | IM1220 | Entrepreneurial strategies | (I20) Engineering Management, Undergraduate Academic Studies |
| 10. | IM2101 | Intelligent Enterprising and Effective Management | ( M50) Energy Management, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Tesic, Z., Mitrovic, V., Cosic, I.P., Lalic, D., Integration of information for manufacturing shop control, Strojniski vestnik - Journal of Mechanical Engineering, Vol. 56 No 3, pp. 217-223, 2010
2. Tešić, Z., Gračanin, D., Mitrović, V., An approach in development of integrated planning, scheduling and production control system, INFOTEH-Jahorina, Vol. 7, Ref. C-1, pp. 262-265, 2008.
3. Maksimović, R., Stankovski, S., Mitrović, V., Purić, R., The Balanced Scorecard metodology in enterprise, INFOTEH-Jahorina, Vol. 7, Ref. C-5, pp. 280-284, 2008.
4. Tesic, Z., Mijuskovic, LJ., Mitrovic, V., Integration model of business and production processes in industrial enterprise, INFOTEH-Jahorina, pp. 262-265, Sarajevo, 2009.
5. Tesic, Z., Mitrović, V., ERP systems in inteliigent business, INFOTEH-Jahorina, pp. 348-351, Sarajevo, 2010.
6. Tešić, Z., Nikolić, R., Kuzmanović, B. i ostali: „Programi, tehnologije, organizacija i upravljanje razvojem kompetitivnog sela“, FTN izdavaštvo, 2008, 246 strana.
7. Mitrović, V., Maksimović, R., Tešić, Z., Appliance of "Balanced Scorecard" metodology in small enterprise, International Journal Total Quality Management & Excellence, Vol. 36 No 1-2, pp. 339-346, 2008.
8. Mitrović, V., Sistem menadžmenta kvalitetom u preduzeću "OKTAN PROMET", Bijeljina, 2005.
9. Mitrović, V., Sistem menadžmenta zaštitom životne sredine u preduzeću "OKTAN PROMET", Bijeljina, 2005.

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 10. | Mitrović, V., Sistem menadžmenta kvalitetom u preduzeću "PANAFLEX", Bijeljina, 2005. |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Morača D. Slobodan |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.10.2000 |
| Scientific or art field: | Production Systems, Organization and Management |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Production Systems, Organization and Management |
| PhD thesis | 2010 | Faculty of Technical Sciences - Novi Sad | Production Systems, Organization and Management |
| Magister thesis | 2005 | Faculty of Technical Sciences - Novi Sad | Engineering Management |
| Bachelor's thesis | 1999 | Faculty of Technical Sciences - Novi Sad | Production Systems, Organization and Management |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | URZP51 | Strategy of Intervention | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 2. | ZR305 | Risks and Hazards at Work and in the Working Environment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 3. | I201 | Preduzetništvo(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | II1019 | Project Management | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 5. | IM1028 | Fundamentals of Project Management | ( I20) Engineering Management, Undergraduate Academic Studies |
| 6. | IM1047 | Planning and enterprises performance analysis | ( I20) Engineering Management, Undergraduate Academic Studies |
| 7. | IM1121 | Industrial Clusters | (I20) Engineering Management, Undergraduate Academic Studies |
| 8. | IM1306 | Project Management | (I20) Engineering Management, Undergraduate Academic Studies |
| 9. | IM1313 | Project cost management | (I20) Engineering Management, Undergraduate Academic Studies |
| 10. | IM1314 | Computer aided project management | (I20) Engineering Management, Undergraduate Academic Studies |
| 11. | IM1316 | Project Cycle Management | (I20) Engineering Management, Undergraduate Academic Studies |
| 12. | ZR402A | Protection System Design | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 13. | IMDS96 | Project portfolio management | ( I22) Engineering Management, Specialised Academic Studies |
| 14. | ZP512 | Protection and Rescue Plans | ( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies |
| 15. | IM2313 | Planning, guidance and control of the project | (I20) Engineering Management, Master Academic Studies |
| 16. | IM2317 | IT Project management | (I20) Engineering Management, Master Academic Studies |
| 17. | IM2320 | Project Auditing | (I20) Engineering Management, Master Academic Studies |
| 18. | IMDS71 | Selected topics of project management | ( I22) Engineering Management, Specialised Academic Studies |
| 19. | UP001 | Computer Supported Project Management | ( I20) Engineering Management, Specialised Professional Studies<br>( IB0) Engineering Management - MBA, Specialised Professional Studies |
| 20. | UP002 | Applied Project Cycle Management | ( I20) Engineering Management, Specialised Professional Studies<br>( IB0) Engineering Management - MBA, Specialised Professional Studies |

# Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Safety at Work

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 21. | UP004 | Applied IT Project Management | ( I20) Engineering Management, Specialised Professional Studies<br>( IB0) Engineering Management - MBA, Specialised Professional Studies |
| 22. | IMDR96 | Project portfolio management | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |
| 23. | IMDR71 | Selected topics of project management | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |
| 24. | ZRD213 | Current state and development tendencies of quality management of work environment | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Moraca Slobodan Hadzistevic Miodrag Drstvensek Igor Radakovic Nikola, Application of Group Technology in Complex Cluster Type Organizational Systems, STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, ISBN 0039-2480, (2010), vol. 56 br. 10, str. 663-675 |
| 2. | Hadžistević Miodrag; Morača Slobodan; Networks and Quality Improvement; International Journal for Quality Research ISSN: 1800-6450 Detalji Vol. 3, No. 4, Str. 353-361 |
| 3. | Demko-Rihter J., Gračanin D., Morača S.: The importance of the business environment for the liquidity of SMEs and entrepreneurs - case of Serbia, 4. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Ohrid: National Centre for Development of Innovation and Entrepreneurial Learning, 5-7 Maj, 2011, pp. 172-179, ISBN 978-608-65144-1-9 |
| 4. | Ćosić Ilija; Gračanin Danijela; Morača Slobodan; Ćirić Jelena; Project Approach in Deign of Complex Organizational Structures Vol. 13, No. 1, Str. 249-252, ISBN 1840-4944, University of Zenica, Faculty of Mechanical engineering in Zenica; International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT (13 ; Hammamet ; 2009) |
| 5. | Morača Slobodan; Maksimović Rado; HOLISTIC, MANAGEMENT, AND CHANGES IN ORGANIZATION; Str. 835-841, UDK 658.5(082), ISBN 86-7780-008-5, Izdavač: University of Novi Sad, Faculty of Technical Sciences; International Scientific Conference on Industrial Systems - IS (13 ; Herceg Novi ; 2005) |
| 6. | Morača, S., Ćosić, I. Softver za podršku odlučivanju u strateškom upravljanju preduzećem, Naziv skupa: XLVI konferencija ETRAN-a, Banja Vrućica, Detalji Str. 63-66, ISBN 86-80509-43-4, Društvo za elektorniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku; |
| 7. | Etos - Moris, dr Božo Sovilj, mr Slobodan Morača: Udžbenik koji obrađuje probleme poslovne etike i morala |
| 8. | Morača Slobodan, Katić Jasna, Vulanović Srđan, Proizvodnja bio dizela - pozitivni i negativni uticaji u odnosu na zahteve standarda ISO 14000 i OHSAS 18000 Tehnika - Kvalitet, standardizacija i metrologija, vol. 8, br. 3, str. 6-10, 2008 |
| 9. | Morača Slobodan; Gračanin Danijela; Ćirić Jelena; Change Management in modern organizations; International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD (3 ; NoviSad ; 2010) pp. 547-552, ISBN 978-86-7892-250-3, Izdavač: Fakultet tehničkih nauka; |
| 10. | Morača Slobodan; Hadžistević Miodrag; Šević Dragoljub; Value Creation in Business Networks; International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD (3 ; Novi Sad ; 2010) Str. 553-558, ISBN 978-86-7892-250-3, Izdavač: Fakultet tehničkih nauk; |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Nakomčić-Smaragdakis B. Branka |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.12.1992 |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 2008 | Faculty of Technical Sciences - Novi Sad | Thermal Technics |
| Magister thesis | 2002 | University of Novi Sad - Novi Sad | Environment Protection Engineering |
| Bachelor's thesis | 1992 | Faculty of Technical Sciences - Novi Sad | Termodynamics and Heat Transfer |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z206 | Alternative Power Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | Z206A | Alternative Energy Sources | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 3. | Z307 | Modeling and Simulation in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z307A | Modeling and Simulation in Environmental Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 5. | Z206 | Alternativna energetika(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z307 | Modelovanje i simulacija u IZŽS(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z401A | Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | ZC023 | Modeling and Simulation in Energy Systems | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 9. | Z477 | Sustainable Agriculture Engineering | (Z20) Environmental Engineering, Master Academic Studies |
| 10. | Z509 | Energy, Economic and Ecological Aspects of TP Plants | (Z20) Environmental Engineering, Master Academic Studies |
| 11. | ZR501 | Hazardous Materials and Hazardous Waste | ( Z01) Safety at Work, Master Academic Studies |
| 12. | Z508 | Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 13. | Z509 | TP postrojenja sa energetskog, ekonomskog i ekološkog aspekta(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 14. | MPK015 | Tehnologije obnovljivih izvora energije(uneti naziv na engleskom) | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 15. | SZD040 | Integrated approach using renewable and conventional energy sources | ( M50) Energy Management, Master Academic Studies<br>( Z00) Environmental Engineering, Specialised Academic Studies |
| 16. | ZD040 | An Integrated Approach to the Use of Conventional and Renewable Energy Sources Applied to Power Systems | ( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Bašić Đ., Nakomčić B., Energy Sources and Environment, in Monography: Contemporary Problems in Power Engineering, edited by D. Gvozdenac, J. Xypteras, M. Dimić, pp. 109-120, N.Sad/Thessaloniki, 1995
2. Nakomčić B., Bašić Đ., Ciupinski L., Manaj W., Kurzydlowski K.J.: Non-destructive Testing Applied for Risk Reduction in Petrochemical Installations, ECOS 2006 Conference-19th Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Crete, Greece, Vol.2, pp. 767-774, July 2006
3. Nakomčić B., Štrbac D., Petrović J., Bašić Đ., Geothermal Energy Sources in Serbia and Utilization of Hydrothermal Energy in Vojvodina, The Joint Workshop of Geothermal and Biomass Energy Sources for Countries Along the Danube, Novi Sad, Serbia, 25th-27th May, 2006
4. Nakomčić B., Bašić Đ., Kurzydlowski K.J., Ciupinski L., Risk Reduction Based on NDT of Installation Designed for Long Service, PSU-UNS International Conference on Engineering and Environment-ICEE 2005, Novi Sad, Serbia and Montenegro, May 2005, Paper T1-2.1 (Conbference CD), 4p
5. M.Vojinović- Miloradov, Đ. Bašić, G. Vujić, Nakomčić B., Environmental Engineering Curricula on the University Level and in Faculty of Technical Sciences, Symposium of Donauhoccchschule Ulm, Cooperation with Universities along the Danube in the field of sustainable energy systems (RES), Ulm University of Applied Sciences, Ulm, Germany, 27.11.-01.12. 2005, (Symposium CD and Proceedings), 10p
6. Nakomčić B., RIMAP Methodology, Workshop of Risk Analysis in Process Industry, Warsaw University of Technology, Warsaw, Poland, Nov. 2004, Workshop Proceedings & CD, pp. 76-101.

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 7. | Nakomčić B., Biomass: Combustion and gasification-technologies and application, Warsaw University of Technology, Warsaw, Poland, Oct. 2004, RES Workshop Proceedings & CD, p11 |
| 8. | Nakomčić B., Global and Alternative Energy, Warsaw University of Technology, Warsaw, Poland, Oct. 2004., RES Workshop Proceedings & CD, p25 |
| 9. | Nakomčić B., The current situation of the application of RIMAP methodologies in SCG, RIMAP NAS Meeting, Miskolc, Hungary, April, 2004., RIMAP web site, pp. 27-35 |
| 10. | Nakomčić B., Bašić Đ., Kurzydlowski K.J., Kijenska I., Plocinski T., Risk Assessment and Environmental Impact: Experience of Candidate Countries (CC's) Attending the EU, PSU-UNS International Conference 2003 " Energy and the Environment", Hat Yai, Songkhla, Thailand, (2003), Paper N0 901, (Conference CD) |

| 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: | Nikolić M. Aleksandar |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.10.1990 |
| Scientific or art field: | Mathematics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Technical Sciences - Novi Sad | Mathematics |
| PhD thesis | 1997 | Faculty of Sciences - Novi Sad | Mathematics |
| Magister thesis | 1992 | Faculty of Mathematics - Beograd | Mathematics |
| Bachelor's thesis | 1981 | Faculty of Sciences - Novi Sad | Mathematics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | H103 | Mathematics 1 | ( H00) Mechatronics, Undergraduate Academic Studies |
| 2. | M102 | Mathematics 1 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | Z104 | Mathematics 1 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z106 | Mathematics 2 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z104 | Matematika 1(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z106 | Matematika 2(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | BMI91 | Mathematics 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 8. | BMI92 | Mathematics 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 9. | ETI03 | History of science and technology | ( E02) Electronics and Telecommunications, Undergraduate Professional Studies |
| 10. | IA001 | Algebra | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 11. | II1052 | Mathematics 2 | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 12. | IM1002 | Mathematics 1 | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 13. | IM1006 | Mathematics 2 | ( I20) Engineering Management, Undergraduate Academic Studies |
| 14. | Z506 | Viši kurs matematike 1(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 1. | Aleksandar Nikolić, About two famous results of Jovan Karamata, Archives Internationales D"Histoire des Sciences, n. 141, Vol. 48, 1998, pp. 353-373 |
| 2. | Aleksandar Nikolić, Space and Time in the Apparatus of Infinitesimal Calculus, Review of Research, Faculty of Science, Mathematics Series 23, 1, 1993, pp. 199-218 |
| 3. | Nevenka Adžić, Aleksandar Nikolić, Uvod u teoriju redova, FTN Novi Sad, 2001, s. 124 |
| 4. | Irena Čomić, Aleksandar Nikolić, Diferencijalne jednačine, FTN Novi Sad, 1999, s. 122 |
| 5. | Aleksandar Nikolić, Jovan Karamata, život kroz matematiku, Zadužbina Andrejević, 1999, s.105 |
| 6. | Marić, V., Nikolić, A., Vojislav G. Avakumović (1910-1990) - A Passionate Man of Mathematics, Ganita Bharati, Vol. 30, No. 1, 45-60, 2008. |
| 7. | Nikolić, A., Karamata"s Proofs of Pappus-Pascal and Desargues Theorems, ICAM 2007, G.B. Pant University, India. |
| 8. | Nikolić, A., The Story of Majorisability as Karamata"s Condition of Convergence for Abel Summable Series, Historia Mathematica, 36, 4, 2009, 405-419. |
| 9. | Nikolić, A., Mathematical education in the Province of Vojvodina within the Habsburg Monarchy, History of Mathematics, 41, 2010, 109-124. |
| 10. | Aleksandar Nikolic, Mathematician Judita Cofman (1936–2001), Teaching Mathematics and Computer Science, Institute of Mathematics, and Faculty of Informatics, University of Debrecen, Hungary. 2012 Vol. X. Issue I, s. 91-115. ISSN 1589 - 7389 |

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Oros V. Đura |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 05.11.1982 |
| Scientific or art field: | Power Electronics, Machines and Facilities |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | Power Electronics, Machines and Facilities |
| PhD thesis | 2008 | Faculty of Technical Sciences - Novi Sad | Electroenergetics |
| Magister thesis | 1997 | School of Electrical Engineering - Beograd | Power Electronics, Machines and Facilities |
| Bachelor's thesis | 1982 | Faculty of Technical Sciences - Novi Sad | Electroenergetics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | H361 | Control of Electrical Drives | ( H00) Mechatronics, Undergraduate Academic Studies |
| 2. | M109 | Electric Machines and Power Electronics | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 3. | M112 | Electrical Engineering and Electric Machines | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 4. | E2315 | Electrical Machines in Automatic Control Systems | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 5. | EE419A | Testing of electrical machines | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 6. | EE421A | Electrical Design and Calculation Software | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 7. | ZR405A | Protection from the harmful effects of electricity in the application of power converters | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | ZR43A | Health and safety regulations in electrical systems | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 9. | EE534 | Special Electric Motor Drives | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 10. | M2541 | Occupational Safety and Protection in Operation with Machinery | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 11. | GS016 | Lighting in Buildings | ( G10) Energy Efficiency in Buildings, Specialised Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 12. | ZRD235 | Systemic regulation in the field of occupational safety and health | ( Z01) Safety at Work, Doctoral Academic Studies |
| 13. | ZRD236 | State and development of health and safety at work in the field of electrical engineering | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Vasić V., Marčetić D., Oros Đ.: Prediction of Local Instabilities in Open-loop Induction Motor Drives, COMPEL - The international journal for computation and mathematics in electrical engineering, 2010, Vol. 29, No 3, ISSN 0332-1649 |
| 2. | Đura V. Oros, Veran V. Vasić, Darko P. Marčetić: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components and Systems, 2008, Vol. 36, No. 12, str. 1318- 1336, ISSN 1532-5008. |
| 3. | Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445 |
| 4. | Reljić D., Vasić V., Oros Đ.: Power factor correction and harmonics mitigation based on phase shifting approach, 15. International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia, pp. DS3b.12-1 - 12-8, ISBN: 978-1-4673-1971-3, IEEE catalog number CFP 1234A-USB |
| 5. | Dumnić B., Oros Đ., Milićević D., Matić D., Vasić V.: Vector Control of Induction Generator with Parallel Stator Resistance and Rotor Speed Estimation, 31. Power Electronics, Intelligent Motion, Power Quality PCIM, Nuremberg: Mesago PCIM Gmbh, 4-6 Maj, 2010, pp. 608-612, ISBN 978-3-8007-3229-6 |
| 6. | Vasić V., Marčetić D., Oros Đ., Kulić F.: Prediction of local instabilities caused by inverter dead time in AC drive, 13. European Conference on Power Electronics and Applications, Barselona, 8-10 Septembar, 2009, ISBN 9789075815009 |
| 7. | Francuski Lj., Kulić F., Dumnić B., Oros Đ.: Fuzzy PI Controller for Vector Control of Induction Machine, 9. NEUREL- Symposium on Neural Network Applications in Electrical Engineering, Beograd: IEEE SCG Section, CAS - SP Chair, 25-27 Septembar, 2008, pp. 207-210, ISBN 978-1-4244-2903-5 |
| 8. | Reljić D., Vasić V., Oros Đ.: Power Quality Considerations of Variable Speed AC Drives, A Simulation Study, Paper No. T6-2.4, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5 |
| 9. | Reljić D., Milićević D., Adžić E., Dumnić B., Grabić S., Porobić V., Vekić M., Ivanović Z., Katić V., Vasić V., Marčetić D., Oros Đ., Čorba Z.: Modern Laboratory Tools for Experimental Research in the Field of Electric Drives, 15. International Symposium on Power Electronics Ee, Novi Sad: Društvo za energetsku elektroniku-Novi Sad, Elektrotehnički institut "Nikola Tesla"-Beograd, Fakultet tehničkih nauka-Novi Sad, 28-30 Oktobar, 2009, pp. 1-5, ISBN 978-86-7892-208-4 |
| 10. | Ostojić D., Vasić V., Dujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 3 | | | |
| Total of SCI(SSCI) list papers : | 4 | | | |
| Current projects : | Domestic : | 1 | International : | 0 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | 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 | ( M50) Energy Management, Master Academic Studies<br>( 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. | Z306 | Process Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z306A | Process Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 7. | Z412A | Process apparatus for protecting the environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z412 | Procesni aparati za zaštitu okoline(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | M211 | Measurement and Regulation | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 10. | M3041 | Cogeneration facilities | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 11. | M3494 | Energy efficiency | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 12. | M3497 | Energy audits | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 13. | M3518 | Energy Management | ( M30) Energy and Process Engineering, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 14. | I079 | Modern Energy Technologies | ( M50) Energy Management, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 15. | I916 | Energy Management in Industry | ( M50) Energy Management, Master Academic Studies |
| 16. | I917 | Energy Management in Buildings | ( M50) Energy Management, Master Academic Studies |
| 17. | I078 | Energetska politika | ( M50) Energy Management, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 18. | M3515 | Energy Systems | ( M30) Energy and Process Engineering, Master Academic Studies<br>( M50) Energy Management, Master Academic Studies |
| 19. | M3518 | Energy Management | ( M30) Energy and Process Engineering, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 20. | M3M01 | Implementation of Energy Management in Industry and Buildings | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 21. | M5025 | Energy audits | ( M50) Energy Management, Master Academic Studies |
| 22. | DM216 | Energy Systems | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 23. | DM217 | Energy Management in Idustry | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 24. | DM218 | Contemporary Energy Technologies | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 25. | DM219 | Energy Politics | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 26. | DM332 | Energy Management in Buildings | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 27. | DM333 | Renewable Energy Resoruces | ( M00) Mechanical Engineering, Doctoral Academic Studies |

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 2112, Vol. 16, Suppl. 1, pp S63-S77, ISSN 0354-9836, UDC 621
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. GVOZDENAC D., PETROVIC J.: Survey of Activities in the Subnetwork in Food Processing Industry; ENCONET NEWSLETTER, Prague, Czechoslovakia, 1989, No 2, pp. 32-35.
8. PETROVIĆ Lj., MANOJLOVIĆ D., PETROVIĆ M., GVOZDENAC D., PETROVIĆ J.: Uticaj brzine hlađenja na kvalitet svinjskog mesa; "Tehnologija mesa", Beorad, 1990., br. 4, str. 128-135
9. GRKOVIĆ V., PETROVIĆ J.: Pokazatelji energetske efikasnosti kod postrojenja za spregnutu proizvodnju električne i toplotne energije (SPETE), "Termotehnika", Beograd, 1991., br. 1-2, str. 27-39
10. 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


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: | Prokeš L. Bela |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Medical Faculty in Novi Sad - Novi Sad |
| | 01.01.2000 |
| Scientific or art field: | Medical Science |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2006 | Medical Faculty in Novi Sad - Novi Sad | Medical Science |
| PhD thesis | 2001 | Medical Faculty in Novi Sad - Novi Sad | Medical Science |
| Education Specialist Thesis | 1991 | Medical Faculty in Novi Sad - Novi Sad | Medical Science |
| Magister thesis | 1989 | Medical Faculty in Novi Sad - Novi Sad | Medical Science |
| Bachelor's thesis | 1982 | Medical Faculty in Novi Sad - Novi Sad | Medical Science |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | ZRI433 | Toxicology | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 2. | ZSNR2 | Work Medicine | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | ZRM14 | Occupational Medicine | ( Z01) Safety at Work, Master Academic Studies |
| 4. | ZRD216 | Specific topics of toxicology | ( Z01) Safety at Work, Doctoral Academic Studies |
| 5. | ZRD217 | Essentials of occupational medicine | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Mačvanin N, Jocić N, Andjelković B, Prokeš B. Zaštita na radu - opšti deo. U: Vidaković A, ed. Medicina rada. Beograd: Medicinski fakultet, 1996: 314-29
2. Mačvanin N, Jocić N, Andjelković B, Prokeš B. Zaštita na radu - specijalni deo. U: Vidaković A, ed. Medicina rada. Beograd: Medicinski fakultet, 1996: 330-49
3. Mačvanin N, Prokeš B. Antropozoonoze. U: Pavlović M, Vidaković A, (ed). Ocenjivanje radne sposobnosti. Lazarevac: Elvod-print, 2003: 260-64
4. Mikov I, Bulat P, Prokeš B. Occupational lead poisoning. Arch Environ Health 2003; 58 (11): 721-2.
5. Savić M, Janić Dj, Savić D, Mudrinić P, Prokeš B. Značaj povredjivanja za radnu sposobnost i životne aktivnosti. Med Pregl 1992; 44 (Suppl 1): 71-3
6. Prokeš B. Neki hepatološki parametri kod medicinskih radnika više godina izloženih anestetskim gasovima iz radne sredine. Med Pregl 1997; L (3-4): 103-107.
7. Prokeš B. Kretanje nivoa “izgubljenog” halotana u operacionim salama Klinike za ginekologiju i akušerstvo. Med Pregl 1998; LI: (11-12): 528-531.
8. Momčilović D, Prokeš B, Janjić Z. Povrede šake nastale beračem za kukuruz. Med Pregl 2005; LVIII: (9-10): 479-482.
9. Prokeš B. Hepatotoksični efekti višegodišnje ekspozicije medicinskih radnika subanestetskim dozama halotana. (doktorska disertacije). Novi Sad: Univerzitet u Novom Sadu, Medicinski fakultet, 2001.
10. Siriški J, Savić M, Prokeš B. Hippuric acid in urine of workers exposed to toluene. Arch Toxicol Kinet Xenobiot Metab 1994; 2(2):371-2.


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Prša A. Miroslav |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 29.09.1975 |
| Scientific or art field: | Theoretical Electrotechnics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | | Theoretical Electrotechnics |
| PhD thesis | 1986 | Faculty of Technical Sciences - Novi Sad | Electrical and Computer Engineering |
| Magister thesis | 1974 | Faculty of Natural Sciences and Engineering - Ljubljana | Electrical and Computer Engineering |
| Bachelor's thesis | 1971 | Faculty of Natural Sciences and Engineering - Ljubljana | Electrical and Computer Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | EE300 | Electromagnetics | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 2. | M112 | Electrical Engineering and Electric Machines | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 3. | Z107 | Electrical Engineering, Environment and Protection | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | EE543 | Electro Magnetic Energy | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 5. | EM511 | Quantum and Organic Electronics | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | M. Prša, "Kožni pojav v premem vodniku pravokotnega prereza (Površinski efekat u pravom provodniku pravougaonog poprečnog preseka)", magistarska teza, Fakulteta za elektrotehniko, Ljubljana, 1974. |
| 2. | M. Prša, "Prilog analizi i optimizaciji cikličnog pretvaranja energije u magnetskim kolima sa promenljivom reluktansom", doktorska teza, Fakultet tehničkih nauka, Novi Sad, 1986. |
| 3. | M. Prša , K. Kasaš-Lažetić , V. Bajović: Determination of Earth Impedance, PSU-UNS International Conference on Engineering and Environment – ICEE - 2007, Phuket, Tailand: 10 i 11 Maj, 2007. |
| 4. | M. Milutinov, A. Juhas, M. Prša: Electric Field of Three-Phase Power Line Systems, PSU-UNS International Conference on Engineering and Environment – ICEE - 200, Phuket, Thailand: 10, 11 maj, 2007. |
| 5. | D. Herceg , B. Vujičić, Miroslav Prša: Determination of EM field and induced EMF of Voltage Measuring Trnasformer, 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5. Septembar, 2007. |
| 6. | M. Milutinov , A. Juhas, M. Prša: Electric Field Strength and Pplarization of Multi Three-Phase Power Lines , 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5., Septembar, 2007. |
| 7. | M. Prša , K. Kasaš-Lažetić: An Accurate Determination of Current Distribution within the Earth, 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5. Septembar, 2007. |
| 8. | M. Prša: Osnovi elektrotehnike za studente neelektrotehničkih fakulteta, Novi Sad, Stylos, 1995. 248 str. |
| 9. | M. Prša, L. Juhas: Osnovi elektrotehnike za studente neelektrotehničkih fakulteta - zbirka zadataka, Novi Sad, FTN - Edicija Tehničke nauke, 2001. 178str., ISBN 86-80249-45-9. |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Radonić R. Jelena |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.04.2004 |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 2009 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| Magister thesis | 2006 | University of Novi Sad - Novi Sad | Environment Protection Engineering |
| Bachelor's thesis | 2002 | Faculty of Technology - Novi Sad | Technological Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | URZP45 | Mobile Equipment and Fire Extinguishing Equipment | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 2. | URZP61 | Fundamentals of the Burning Processes Theory | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 3. | Z102 | Technical Chemistry | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z109 | Chemical Principles in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z305 | Data Analysis of Environmental Condition | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z305A | Environmental data analysis | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 7. | Z102 | Tehnička hemija(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z109 | Hemijski principi u inženjerstvu zaštite životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | Z151 | Chemistry in Mechanical Engineering | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 10. | Z153 | Chemistry in Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | Z155 | Chemical Principles in Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 12. | Z600 | Chemical Phenomena in Engineering | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 13. | Z503 | Practical Course in Environment Protection | (Z20) Environmental Engineering, Master Academic Studies |
| 14. | Z507 | Physical and Chemical Principles | (Z20) Environmental Engineering, Master Academic Studies |
| 15. | Z507 | Fizičko hemijski principi(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 16. | MPK005 | Analysis of environmental protection systems | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 17. | SZD050 | Transport and distribution of pollutants in heterogeneous multicomponent systems | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 18. | SZDO03 | Applied Analysis of Physical and Chemical Parameters | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 19. | SZSP09 | Remediation of contaminated locations | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 20. | SZSP17 | Savremene instrumentalne metode analize zagađujućih supstanci u životnoj sredini | ( Z00) Environmental Engineering, Specialised Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 21. | HDOK11 | Advanced Application of ICT in Agriculture | ( H00) Mechatronics, Doctoral Academic Studies |
| 22. | HDOL11 | Advanced application of ICT in agriculture | ( H00) Mechatronics, Doctoral Academic Studies |
| 23. | ZD050 | Transport and distribution of pollutants in heterogeneous multicomponent systems | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 24. | ZDO03 | Applied Analysis of Physical and Chemical Parameters | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Turk Sekulić M., Radonić (Jakšić) J., Đogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches, Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3 |
| 2. | Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Klanova J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia , Environmental Science and Pollution Research, 2009, Vol. 16, No 1, pp. 65-72, ISSN 0944-1344 |
| 3. | Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Klanova J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods , Environmental Chemistry Letters, 2007, Vol. 5, No 3, pp. 109-113, ISSN 1610-3653 |
| 4. | Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle-bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI: 10.2298/HEMIND120113062J, Hemijska industrija, 2012, pp. 1-36, ISSN 0367-598X |
| 5. | Grujić Letić N., Milić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mihajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103 |
| 6. | Milić N., Milanović M., Grujić Letić N., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Vojinović-Miloradov M.: Occurrence of antibiotics as emerging contaminant substances in aquatic environment DOI: 10.1080/09603123.2012.733934, INT J ENVIRON HEAL R, 2012, pp. 1-15, ISSN 0960-3123 |
| 7. | Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Đogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/JSC100616037R |
| 8. | Radonić (Jakšić) J., Ćulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M.: Prediction of gas-particle partitioning of PAHs based on M5' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: doi: 10.2298/TSCI100809005R |
| 9. | Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 65, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621 |
| 10. | Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Stošić M.: Emerging substances of concern – a shift in traditional thinking, 1. Environmental Protection of Urban and Suburban Settlements, Novi Sad: Ecological Movement of Novi Sad, 21-24 Septembar, 2011, pp. 265-271, ISBN 978-86-83177-44 |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Ristić M. Sonja |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.10.2006 |
| Scientific or art field: | Information-Communication Systems |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Technical Sciences - Novi Sad | Information-Communication Systems |
| PhD thesis | 2003 | Faculty of Economics - Subotica | Information-Communication Systems |
| Magister thesis | 1994 | Faculty of Economics - Subotica | Information-Communication Systems |
| Bachelor's thesis | 1989 | Faculty of Economics - Subotica | Economics |
| Bachelor's thesis | 1983 | Faculty of Sciences - Novi Sad | Mathematics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z201 | Fundamentals of Computer Technologies | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | Z201A | Fundamentals of Computer Technologies | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 3. | ISIT3A | Metodologije i sistemi za upravljanje IT resursima | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 4. | H401 | Object Oriented Technologies | ( H00) Mechatronics, Undergraduate Academic Studies |
| 5. | II1002 | Computer Technologies | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 6. | IM1010 | Fundamentals of Information Technologies | ( I20) Engineering Management, Undergraduate Academic Studies |
| 7. | IM1506 | Database Design | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>(I20) Engineering Management, Undergraduate Academic Studies |
| 8. | IM1512 | Object-oriented Infromation Technologies | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>(I20) Engineering Management, Undergraduate Academic Studies |
| 9. | IM1516 | Database Systems | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>(I20) Engineering Management, Undergraduate Academic Studies |
| 10. | IM1519 | Information System Architecture and Computer Networks | (I20) Engineering Management, Undergraduate Academic Studies |
| 11. | SE0016 | Databases | ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 12. | IMDS33 | Structures of Modern Information and Communication Systems | ( GI0) Geodesy and Geomatics, Specialised Academic Studies<br>( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies |
| 13. | IMDS36 | Advanced data models and database systems | ( GI0) Geodesy and Geomatics, Specialised Academic Studies<br>( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies |
| 14. | PLM11 | Product Data Management | ( I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies |
| 15. | LIM02 | Business Information Systems | ( LIM) Logistic Engineering and Management, Master Academic Studies |
| 16. | E2537 | IT Resources Management | ( SE0) Software Engineering and Information Technologies, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 17. | IIDS8 | Selected chapters from Information, management and communication systems | ( GI0) Geodesy and Geomatics, Specialised Academic Studies<br>( I12) Industrial Engineering, Specialised Academic Studies |
| 18. | IM2513 | Data Warehouse Design | ( I10) Industrial Engineering, Master Academic Studies<br>(I20) Engineering Management, Master Academic Studies |
| 19. | IMDS73 | Selected chapters from Information management | ( I22) Engineering Management, Specialised Academic Studies |
| 20. | PLM04 | Product Data Management | ( I20) Engineering Management, Specialised Professional Studies |
| 21. | IMDR33 | Structures of Modern Information and Communication Systems | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |
| 22. | IMDR36 | Advanced Data Models and Database Systems | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 23. | IMDR73 | Selected chapters from Information management | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |
| 24. | IMDR81 | Selected chapters from Information, management and communication systems | ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Luković I., Popović A., Mostić J., Ristić S.: A Tool for Modeling Form Type Check Constraints and Complex Functionalities of Business Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 2, pp. 359-385, ISSN 1820-0214 |
| 2. | Lukovic I, Mogin P, Pavicevic J, Ristic S, An Approach to Developing Complex Database Schemas Using Form Types, Software: Practice and Experience, Volume 37, Issue 15, Pages 1621-1656, December 2007. Online ISSN: 1097-024X Print ISSN: 0038-0644 Copyright 2007 John Wiley & Sons, Ltd. Hoboken, USA, Published Online: May 29 2007 12:28PM DOI: 10.1002/spe.820 |
| 3. | Aleksić S., Ristić S., Luković I., Čeliković M.: A Design Specification and a Server Implementation of the Inverse Referential Integrity Constraints, Computer Science and Information Systems (ComSIS), 2013, Vol. 10, ISSN 1820-0214 (Accepted for publishing) |
| 4. | Ristić S., Luković I., Pavićević J., Mogin P.: Resolving Database Constraint Collisions Using IIS*Case Tool, Journal of Information and Organizational Sciences (JIOS), 2007, Vol. 31, No 1, pp. 187-206, ISSN 1846-3312, UDK: 004.651 |
| 5. | Luković I., Ristić S., Mogin P., Pavićević J.: Database Schema Integration Process – A Methodology and Aspects of Its Applying, Novi Sad Journal of Mathematics, 2006, Vol. 36, No 1, pp. 115-150, ISSN 1450-5444 |
| 6. | Luković I., Mogin P., Govedarica M., Ristić S.: The Structure of A Subschema and Its XML Specification, Journal of Information and Organizational Sciences (JIOS), 2002, Vol. 26, No 1-2, pp. 69-85, ISSN 1846-3312 |
| 7. | Ristić S., Aleksić S., Luković I., Banović J.: Form-Driven Application Development, Acta Electrotechnica et Informatica, Faculty of Electrical Engineering and Informatics, Technical University Kosice, 2012, Vol. 12, No 1, pp. 9-16 |
| 8. | Ristić S.: Lean Thinking Principles in the Context of Model-Driven Software Development, 1. International Scientific Conference on Lean Technologies - LeanTech, Novi Sad: Faculty of Technical Sciences, 13-14 Septembar, 2012, pp. 233-239, ISBN 978-96-7892-445-3 |
| 9. | Ristić S., Luković I., Aleksić S., Banović J., Al-Dahoud A.: An Approach to the Specification of User Interface Templates for Business Applications, 5. Balkan Conference in Informatics, Novi Sad: ACM New York, USA, 16-20 Septembar, 2012, pp. 124-129, ISBN 978-1-4503-1240-0 |
| 10. | Ristić S., Rakić-Skoković M., Al-Dahoud A.: An Overview of the Approaches for A PLM Application's Customization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, pp. 217-222, ISBN 978-86-7892-341-8 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 14 | | | |
| Total of SCI(SSCI) list papers : | 3 | | | |
| Current projects : | Domestic : | 2 | International : | 2 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Satarić V. Miljko |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 03.01.1973 |
| Scientific or art field: | Physics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 1995 | Faculty of Technical Sciences - Novi Sad | Physics |
| PhD thesis | 1984 | School of Electrical Engineering - Beograd | Physics |
| Magister thesis | 1979 | School of Electrical Engineering - Beograd | Physics |
| Bachelor's thesis | 1972 | Faculty of Sciences - Novi Sad | Physics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E103 | Physics | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 2. | E215 | Physics | ( E20) Computing and Control Engineering, Undergraduate Academic Studies |
| 3. | Z103 | Selected Chapters in Physics 1 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z110 | Selected Chapters in Physics 2 | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | EI410 | Biophysics | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 6. | DE203S | Odabrana poglavlja iz kvantne elektronike | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 7. | DE301S | Molekularna elektronika(uneti naziv na engleskom) | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies |
| 8. | DZ01FS | Selected Chapters in Physics | ( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies<br>( I12) Industrial Engineering, Specialised Academic Studies<br>( I22) Engineering Management, Specialised Academic Studies<br>( Z00) Environmental Engineering, Specialised Academic Studies |
| 9. | EM511 | Quantum and Organic Electronics | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 10. | SI028 | Biophysics | ( E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies |
| 11. | DE203 | Selected Chapters in Quantum Electronics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |
| 12. | DE301 | Molecular Electronics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 13. | DZ01F | Selected Chapters in Physics | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies<br>( E20) Computing and Control Engineering, Doctoral Academic Studies<br>( F00) Graphic Engineering and Design, Doctoral Academic Studies<br>( G00) Civil Engineering, Doctoral Academic Studies<br>( GI0) Geodesy and Geomatics, Doctoral Academic Studies<br>( H00) Mechatronics, Doctoral Academic Studies<br>( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies<br>( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( S00) Traffic Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | S. Zdravković, M.V. Satarić, “Single-Molecule Unzipping Experiments on DNA Peyrard-Bishop-Dauxois Model”,Phys.Rev.E73,021905-11,2006. |
| 2. | J. A. Tuszynski, J. A. Brown, E. Crawford, E. J. Carpenter, M. L. A. Nip, J. M. Dixon, M. Satarić, “Molecular dynamics simulations of tubulin structure and calculations of electrostatic properties of microtubules”, Mathematical and Computer Modelling, vol. 41, no.10, pp. 1055-1070, 2005. |
| 3. | M. Satarić, B. Satarić, J. A. Tuszynski, “Nonlinear model of microtubule dynamics”, Electromagnetic Biology and Medicine, vol.24, no. 3, pp. 255-264, 2005. |
| 4. | S. Zdravković J. A. Tuszynski, M. Satarić “Peyrard-Bishop-Dauxois model of DNA dynamics and impact of viscosity”, Journal of Computational and Theoretical Nanoscience, vol. 2, no. 2, pp. 263-271, 2005. |
| 5. | S. Zdravković, M. Satarić, “Optical and Acoustical Frequencies in a Nonlinear Helicoidal Model of DNA Molecule”, Chinese Physics Letters 22, pp. 850-853, 2005. |
| 6. | S. Portet, J. A. Tuszynski, J. M. Dixon, M. Satarić, “Models of spatial and orientational self-organization of microtubules under the influence of gravitational fields”, Physical Review E, vol. 68, no. 2, 2003. |
| 7. | M. Satarić, J. A. Tuszynski, “Relationship between the nonlinear ferroelectric and liquid crystal models for microtubules”, Physical Review E, vol. 67, no. 1, 2003. |
| 8. | S. Zdravković, M. Satarić, “DNA dynamics and big viscosity”, International Journal of Modern Physics B, vol.17, no. 31-32, pp. 5911-5923, 2003. |
| 9. | M. Satarić, J. A. Tuszynski, “Impact of regulatory proteins on the nonlinear dynamics of DNA”, Physical Review E, vol. 65, no. 5, 2002. |
| 10. | G. Keković, D. Raković, M. Satarić, D. Koruga, “A kink-soliton model of charge transport through microtabular cytoskeleton”, Current Research in Advanced Materials and Processes, vol. 494, pp. 507-512, 2005. |


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 295 | | | |
| Total of SCI(SSCI) list papers : | 67 | | | |
| Current projects : | Domestic : | 1 | International : | 2 |

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Simeunović B. Jelica |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Sciences - Novi Sad |
| | 01.07.1999 |
| Scientific or art field: | Microbiology |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Sciences - Novi Sad | Microbiology |
| PhD thesis | 2009 | Faculty of Sciences - Novi Sad | Microbiology |
| Magister thesis | 2004 | Faculty of Sciences - Novi Sad | Microbiology |
| Bachelor's thesis | 1998 | Faculty of Sciences - Novi Sad | Biological Science |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z208 | Biochemical and Macrobiological Principles | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Simeunović J.: Jelica Simeunovic, Zorica Svircev, Maja Karaman, Petar Knezevic, Marta Melar (2010): Cyanobacterial blooms and first observation of microcystin occurrences in freshwater ecosystems in Vojvodina region (Serbia). Fresenius Environmental Bulletin |
| 2. | Simeunović J., Svirčev Z., Karaman M., Knežević P., Melar M.: Cyanobacterial blooms and first observation of microcystin occurrences in freshwater ecosystems in Vojvodina region (Serbia)., Fresenius Environmental Bulletin, 2010, Vol. 19, No 2, pp. 198-207, ISSN 1018-4619 |
| 3. | Svirčev Z., Četojević-Simin D., Simeunović J., Karaman M.: Antibacterial, antifungal and cytotoxic activity of terrestrial cyanobacterial strains from Serbia |
| 4. | Simeunović J.: Svircev, Z, Cetojevic-Simin, D, Simeunovic, J, Karaman, M, Stojanovic, D. (2008): Antibacterial, antifungal and cytotoxic activity of terrestrial cyanobacterial strains from Serbia. Sci China Ser C-Life Sci |
| 5. | Knežević P., Kragović J., Karaman M., Simeunović J., Petrović O.: Interakcija bakterija sa ugljovodonicima iz nafte ; III međunarodna konferecnija "Remedijacije"; Beograd |
| 6. | Autori: Olga Petrović, Jelena Barbir, Jelica Simeunović, Vesna Obradović, Barši Alpar Naziv: Mikrobiološko prečišćavanje otpadnih voda grada Valjeva-Microbiological purification of waste waters in the town of Valjevo. Naziv skupa: International Conference Waste waters, municipal solid wastes and hazardous wastes |
| 7. | Simeunović J., Svirčev Z., Jovanović Đ., Stojanović D.: Toxic cyanobacterial blooms in water resources of Vojvodina Region Abstract book of I International Congress of Food Quality, Technology and Safety and I Symposium of Food Microbiology. |
| 8. | Simeunović J., Barši A., Barbir J., Knežević P., Petrović O.: Microbiological study of the Special Nature Reserve “Gornje Podunavlje” (the Upper Danube Basin) – Monoštorski rit (Monostor marsh). Abstract book of 32th IAD Conference. |
| 9. | Autori: Nemes K., Simeunovicy J., Bugarski R., Vörös L., Matavuly M. Naziv: THE TROPHIC CONDITION OF THE RIVER TAMIS IN THE SUMMER SEASON. Naziv skupa: XXIII Conference of the Danubian countries on the hydrological forecasting and hydrological bases of water management, |
| 10. | Autori: 16. Nemes K., Simeunovic J., Bugarski R., Radnovic D., Matavulj M. Naziv: Plankton investigation of the Canal Navigable Begey (Voyvodina, S |

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: | Simić S. Srboljub |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 25.11.1993 |
| Scientific or art field: | Mechanics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Mechanics |
| PhD thesis | 1999 | Faculty of Technical Sciences - Novi Sad | Mechanics |
| Magister thesis | 1997 | Faculty of Mathematics - Beograd | Mechanics |
| Bachelor's thesis | 1993 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E104 | Mechanics | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies |
| 2. | GG07 | Mechanics 1 | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 3. | M4305 | Thermomechanics | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 4. | Z108 | Fundamentals of Mechanics | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | M44031 | Analytical mechanics | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 6. | M4505 | Modelling of non-linear systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 7. | BMIM4A | Transport phenomena and Living systems | ( BM0) Biomedical Engineering, Master Academic Studies |
| 8. | DM407 | Nonlinear Mechanics with Nonconservative Properties | ( M00) Mechanical Engineering, Doctoral Academic Studies<br>( M40) Technical Mechanics, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies |
| 9. | DSIM8 | Selected Chapters in Dynamics and Control | ( M40) Technical Mechanics, Doctoral Academic Studies |
| 10. | DZ003 | Selected Chapters in Mechanics | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Srboljub S. Simić: Analitička mehanika: dinamika, stabilnost, bifurkacije, Fakultet tehničkih nauka, Novi Sad 2006., Edicija „Tehničke nauke - udžbenici”, 415 str., ISBN 86-85211-83-2
2. Srboljub S. Simić, Ratko B. Maretić: Osnove mehanike, Fakultet tehničkih nauka, Novi Sad 2008., Edicija „Tehničke nauke - udžbenici”, 273 str., ISBN 978-86-7892-147-6
3. B.D. Vujanovic, T. Kawaguchi, S.S. Simic (1997), A Class of Conservation Laws of Linear Time-Dependent Dynamical Systems, TENSOR (NS), 58 (3), pp. 243-252.
4. T.M. Atanackovic, S.S. Simic (1999), On the optimal shape of a Pflüger column, European Journal of Mechanics, A/Solids, 18 (5), pp. 903-913.<\eng>
5. S.S. Simic (2002), On the symmetry approach to polynomial conservation laws of one-dimensional Lagrangian systems, International Jounal of Non-Linear Mechanics, 37, pp. 197-211.<\eng>
6. T. Ruggeri, S. Simić (2004), Non Linear Wave Propagation in Binary Mixtures of Euler Fluids, Continuum Mechanics and Thermodynamics, 16, pp. 125-148.<\eng>
7. T. Ruggeri, S. Simić (2007), On the Hyperbolic system of a mixture of Eulerian fluids: a comparison between single- and multi-temperature models, Mathematical Methods in the Applied Sciences, 30, pp. 827-849.<\eng>
8. T. Ruggeri, S. Simić (2009) Average temperature and Maxwellian iteration in multitemperature mixtures of fluids, Physical Review E, vol. 80, 026317
9. T. Atanacković, S. Konjik, S. Pilipović, S. Simić (2009) Variational problems with fractional derivatives: Invariance conditions and Nöther's theorem, Nonlinear Analysis: Theory, Methods and Applications, vol. 71, pp. 1504-1517
10. S. Simić (2009) Shock structure in continuum models of gas dynamics, Nonlinearity, vol. 20, pp. 1337-1366


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 7 | | | |
| Total of SCI(SSCI) list papers : | 9 | | | |
| Current projects : | Domestic : | 1 | International : | 1 |

Science, arts and professional qualifications

| | | | |
|---|---|---|---|
| Name and last name: | | | Spasić -. Dragan |
| Academic title: | | | Full Professor |
| Name of the institution where the teacher works full time and starting date: | | | Faculty of Occupational Safety - Niš |
| | | | 01.01.1998 |
| Scientific or art field: | | | Environment Protection Engineering |
| Academic carieer | Year | Institution | Field |
| Academic title election: | | | |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | ZR411A | Ocuppational safety economics | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 2. | ZRD231 | Economic implication of occupational health and safety projects implementation | ( Z01) Safety at Work, Doctoral Academic Studies |
| 3. | ZRD234 | The strategy of human resource development from the standpoint of safety and health at work | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

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: | Spasojević Đ. Momčilo |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 11.03.1981 |
| Scientific or art field: | Process Technics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | | Process Technics |
| PhD thesis | 2010 | Faculty of Technical Sciences - Novi Sad | Process Technics |
| Magister thesis | 2004 | Faculty of Technology - Novi Sad | Technological Engineering |
| Bachelor's thesis | 1978 | Faculty of Technical Sciences - Novi Sad | Process Technics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M210 | Thermodynamics | ( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 2. | Z304A | Propagation of disturbances | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 3. | Z306 | Process Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z306A | Process Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 5. | Z311 | Process Systems and Equipment | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | ZOI312 | Thermal Power Plants | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | ZOI31A | Thermal power plants | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 8. | M3203 | Technology of machinery | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 9. | M3498 | Industrial Process Technology | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 10. | M3517 | Construction in energy and process engineering | ( M30) Energy and Process Engineering, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 11. | Z501 | 21BProtection System Design | (Z20) Environmental Engineering, Master Academic Studies |
| 12. | Z501 | Projektovanje sistema zaštite(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 13. | M3506 | Drying Technique | ( M30) Energy and Process Engineering, Master Academic Studies |
| 14. | M3511 | Diffusion apparatus | ( M30) Energy and Process Engineering, Master Academic Studies |
| 15. | M3517 | Construction in energy and process engineering | ( M30) Energy and Process Engineering, Master Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Sovilj, M., Spasojević, M.: „Production and application of essential oils from the domestic medicinal plant“, Journal of proceess technics and energetics, 5 , 34-38, 2001. |
| 2. | Đaković, D., Dimić, M., Spasojević, M.: „Possibility of exergy analysis application on thin-layer drying process“ – 4th International Conference on Engineering Technologies ICET 2009, Novi Sad - rad je prihvaćen. |
| 3. | Spasojević, M.: „Realizacija Vrelovodnog energetskog postrojenja, Novosadska toplana, Novi Sad“, u skladu sa Zakon o planiranju izgradnji. Objekat je od izuzetnog međunarodnog značaja jer je to najveće vrelovodno energetsko postrojenje u Evropi, 2007.god, R51a |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 4. | Spasojević, M.: „Realizacija Poluindustrijskog rektifikacionog postrojenje, Laboratorija Tehnološkog fakulteta u Novom Sadu“, u skladu sa Zakon o planiranju izgradnji. Objekat je od izuzetnog značaja jer je jedinstven u ovom delu Evrope, 1992.god, R51b |
| 5. | 2.Đaković, D., Spasojević, M., Štrbac, D., Dimić, M., Primena eksergijske analize na proces sušenja kukuruza u tankom sloju, Časopis za procesnu tehniku i energetiku u poljoprivredi / PTEP, Časopis za procesnu tehniku i energetiku u poljoprivredi / PTEP, vol. 12, br. 4, str. 233-235, (2008), |
| 6. | Spasojević, M., Janković, M., Djaković, D., A new approach to entropy production minimization in diabatic distillation column with trays, is accepted for publication in the journal Thermal Science. Paper will be printed in Vol. 14, No. 4, (2010) |
| 7. | Sovilj, M., Nikolovski, B., Spasojecić, M., Supercritical carbon dioxide extraction of the selected spice plant materials, 37th International Conference of SSCHE, May 24 - 28, 2010 , Tatranské Matliare, Slovak Republic |
| 8. | Sovilj, M., Nikolovski, B., Spasojecić, M., Nadkritična ekstrakcija nekih začinskih biljaka sa ugljendioksidom, XLVIII savetovanje Srpskog hemijskog društva, Novi Sad 17-18 april 2010 |
| 9. | Damir Đaković, Jovan Petrović, Momčilo Spasojević, Some thermodynamic properties of water during corn drying |
| 10. | Aleksandar Anđelković, Momčilo Spasojević, Heat supply safety in district heating systems of Vojvodina province |

| 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: | Šafranj F. Jelisaveta |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 15.10.2000 |
| Scientific or art field: | English |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | English |
| PhD thesis | 2008 | Faculty of Philology - Beograd | English |
| Magister thesis | 2000 | Faculty of Philology - Beograd | English |
| Education Specialist Thesis | 1994 | Faculty of Philology - Beograd | English |
| Bachelor's thesis | 1982 | Faculty of Philosophy - Novi Sad | English |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | AEJ1L | English Language - Elementary | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | AEJ2L | English Language intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 3. | AEJ2Z | English intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 4. | AEJ3Z | English Language - upper intermediate | ( A00) Architecture, Undergraduate Academic Studies |
| 5. | EJ01L | English Language – Elementary | ( G00) Civil Engineering, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 6. | EJ01Z | English Language - Elementary | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 7. | EJ02L | English Language – Pre-Intermediate | ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | EJ02Z | English Language – Pre-Intermediate | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies<br>( S00) Traffic and Transport Engineering, Undergraduate Academic Studies<br>( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 9. | EJ03Z | English Language - Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( MR0) Measurement and Control Engineering, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | EJ04L | English Language – Upper Intermediate | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 12. | EJ2L | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 13. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 14. | EJ3L | English Language – Advanced | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 15. | EJE5 | English Language – First Certificat 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 16. | EJE6 | English Language - First Certificate 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 17. | EJEI | English Language for Engineers | ( H00) Mechatronics, Undergraduate Academic Studies |
| 18. | EJEI1 | English in Engineering 1 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 19. | EJEI2 | English in Engineering 2 | (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 20. | EJF5 | English Language for GRID 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 21. | EJF6 | English Language for GRID 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 22. | EJGR | English Language – ESP Course | ( G00) Civil Engineering, Undergraduate Academic Studies |
| 23. | EJM | English Language – ESP Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 24. | EJPST | English Language in Postal Traffic | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 25. | EJSIT | English Language in Traffic and Transport | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 26. | EJZ | English Language - Specialized | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 27. | F320 | English Language – ESP Course 1 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 28. | F321 | English Language – ESP Course 2 | ( F00) Graphic Engineering and Design, Undergraduate Academic Studies |
| 29. | ISIT01 | English Language 1 | ( SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies |
| 30. | ASI381 | English language 1 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 31. | ASI431 | English Language 2 | ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies |
| 32. | BMI80 | English 1 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 33. | BMI81 | English 2 | ( BM0) Biomedical Engineering, Undergraduate Academic Studies |
| 34. | EJIIM | English for Specific Purposes | ( I10) Industrial Engineering, Undergraduate Academic Studies<br>( I20) Engineering Management, Undergraduate Academic Studies |
| 35. | ETI15 | Engleski jezik - srednji | ( E02) Electronics and Telecommunications, Undergraduate Professional Studies |
| 36. | ETI20 | Engleski jezik - napredni | ( E02) Electronics and Telecommunications, Undergraduate Professional Studies |
| 37. | EJ1Z | English Language - Elementary | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 38. | EJ2Z | English Language – Intermediate | ( E20) Computing and Control Engineering, Undergraduate Academic Studies<br>( ES0) Power Software Engineering, Undergraduate Academic Studies<br>( F10) Engineering Animation, Undergraduate Academic Studies<br>( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies<br>(AH0) Architecture, Master Academic Studies |
| 39. | eja | English Language – a Specialized Course | (AH0) Architecture, Master Academic Studies |
| 40. | EJE7 | English Language - Advanced | (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies |
| 41. | F507 | English Language for GRID 3 | ( F00) Graphic Engineering and Design, Master Academic Studies |
| 42. | NIT03 | Business English | ( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 1. | Analiza diskursa udžbenika engleskog jezika, Monografija, Zadužbina Andrejević, Beograd 2006. |
| 2. | Retorička organizacija poslovne vesti, Monografija, Zadužbina Andrejević, Beograd 2009. |
| 3. | Engleski jezik za GRID 3 - Academic Writing for Graphic Engineering and Design, FTN Izdavaštvo, Novi Sad 2012. |
| 4. | Using Internet in English Language Teaching, NEW EDUCATIONAL REVIEW, (2011), vol. 26 br. 4, str. 45-59. |
| 5. | Reflections of English Language Teachers Concerning Computer Assisted Language Learning (Call), NEW EDUCATIONAL REVIEW, (2011), vol. 23 br. 1, str. 269-282. |
| 6. | Pragmatički aspekt udžbenika engleskog jezika, Pedagogija, 2009, 1, str.133-145. |
| 7. | Students' Communicative Competence, Zbornik Instituta za pedagoška istraživanja, 2009, 1, str. 180-195. |
| 8. | Retorička analiza lida poslovne vesti, Zbornik Matice Srpske za filologiju i lingvistiku, 2011, 1, str.191-210. |
| 9. | Some Aspects of Technical Statements in Power Engineering, Zbornik radova, XI Međunarodni simpozijum Energetska elektronika Ee 2001, str.150-153. |
| 10. | Genre Analysis of Research Abstract of an Engineering Scientific Paper, In Proceedings of English Language and Literature Studies: Interfaces and Integrations, 10-12 December 2004, Faculty of Philology, Belgrade, pp.365-374. |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 0 | | | |
| Total of SCI(SSCI) list papers : | 20 | | | |
| Current projects : | Domestic : | 0 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Škorić N. Branko |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 21.03.1985 |
| Scientific or art field: | Surface Engineering, Micro and Nano Technologies |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2011 | Faculty of Technical Sciences - Novi Sad | Surface Engineering, Micro and Nano Technologies |
| PhD thesis | 2001 | Faculty of Technical Sciences - Novi Sad | Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano |
| Magister thesis | 1994 | Faculty of Technical Sciences - Novi Sad | Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano |
| Bachelor's thesis | 1984 | Faculty of Technical Sciences - Novi Sad | Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P105 | Heat Processing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P110 | Casting Technology | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P210 | Surface Engineering | ( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | P211 | Devices and Plasma Procedures in Mechanical Engineering | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P2402 | Designing of Thermal Processing Technologies | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | P2403 | Contemporary Casting Technologies | ( P00) Production Engineering, Undergraduate Academic Studies |
| 7. | P3401 | Characteristics and Application of Plastic Materials | ( P00) Production Engineering, Undergraduate Academic Studies |
| 8. | P3405 | Thermal Processing of Contemporary Tools | ( P00) Production Engineering, Undergraduate Academic Studies |
| 9. | II1001 | Engineering materials | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 10. | ZRI42A | Safety at work in metallurgy and thermochemical treatment of metal | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | P2503 | Process Design in Casting Technology | ( PM0) Production Engineering, Master Academic Studies |
| 12. | P2507 | Nanotechnologies | ( M40) Technical Mechanics and Technical Design, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 13. | PP2I11 | Mechanical Engineering in Medicine and Bioengineering | ( PM0) Production Engineering, Master Academic Studies |
| 14. | SMI002 | Modeling and simulation of thermo chemical and metallurgical processes | ( PM0) Production Engineering, Master Academic Studies |
| 15. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 16. | DP004 | Advanced Technologies in Casting and Heat Treatment | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 17. | DP007 | Procedures of Plasma Depozition | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 18. | DP011 | Nanotechnologies and Nanomaterials Forming | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | DP014 | Nano and Micro Layers Characterization | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 20. | ZRD213 | Current state and development tendencies of quality management of work environment | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

1. Škorić B., Kakaš D., Influence of type of plasma coatings on friction coeficient and contact temperature on wear of tool steel, Oxidation Communications, vol.17, Bulgarian-English Academic Publishing House ,1994, 214-219
2. Škorić B., Kakaš D., Tribologycal behaviour of TiN and TiAlN deposited layers on substrates plasma nitrided at low pressure, Materials and Manufacturing Processes, Vol 10, 1 ,New York, USA,1995, 133-138
3. Škorić B., KakaŠ D., Sovilj B., Microstructural and tribological study of magnetron sputtered coating, Journal of the Balkan Tribological Association, Vol.3, No.3, 1997,142-147.

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 4. | Škorić B., Kakaš D., Influence of plasma Nitriding on Mechanical and Tribological Properties of Steel with subsequent PVD Surface Treatments., Thin Solid Films, Elsevier Science, Oxford, England, 317 ,1998, 486-489 |
| 5. | Škorić B., Kakaš D., Examination of tribological properties of plasma surface layer using special test equipment, Computer Standards & Interfaces, Elsevier Science, Oxford, England, Volume 21, Issue 2, 1999, 123. |
| 6. | Kakaš D., Škorić B., Rakita M., Tribological behavior of duplex coating improved by ion implantataion, Thin Solid Films, Elsevier Science, Oxford, England, Volume 459, Issues 1-2, Oxford, England, 2004, 152-155. |
| 7. | Škorić B., Kakaš D., Rakita M., Bibić N., Peruško D Structure, hardness and adhesion of TiN coatings deposited by PVD and IBAD on nitrided steels, Vacuun, Pergamon, England, Volume 76, Issue 2-3, 2004,169-172 |
| 8. | Škorić B., Kakaš D., Bibić N., Rakita M., Microstructural studies of TiN coatings prepared by PVD and IBAD, Surface Science, Elsevier Science B V , North-Holland, Volumes 566-568, Part 1, 2004, 40-44. |
| 9. | Škorić B., Kakaš D., Karakterizacija mikro i nano slojeva, monografija, FTN, Novi Sad, 2007 |
| 10. | Škorić B.: Tribological characterizationof duplex coatings with additional ion bombardment, Brussels, European science foundation, 2008, str. 289-299, ISBN 978-92-898-0040-2 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 38 | | | |
| Total of SCI(SSCI) list papers : | 16 | | | |
| Current projects : | Domestic : | 1 | International : | 1 |

# Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Safety at Work

## Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

1. J. Vladić, P. Malešev, R. Šostakov, N. Brkljač: Dynamic Analysis of the Load Lifting Mechanisms, Strojniski vestnik - Journal of Mechanical Engineering, Vol. 54, No 10, pp. 655-661, 2008, ISSN: 0039-2480.
2. N. Zuber, R. Šostakov, R. Bajrić: Application of vibration signal analysis and artificial intelligence methods in fault identification of rolling element bearings, Technics Technologies Education Management - TTEM, Vol. 6, No 1, pp. 3-10, 2011, ISSN: 1840-1503.
3. R. Šostakov, D. Uzelac, F. Časnji: Surveying The Transient Operating Regimes Of A Driving Mechanism With A Hydrodynamic Coupling, “Mobility&Vehicles Mechanics, Kragujevac, 1999, Vol. 25, No 2&3, p. 47-54

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 4. | D. Uzelac, R. Šostakov, S. Tašin: Starting Of An Electric Motor Drive With Hydrodynamic Coupling, “Facta Universitatis”, Series “Mechanical Engineering”, Nis, 1998, Vol. 1, No 5, p. 537-545 |
| 5. | R. Šostakov, D. Uzelac, N. Brkljač: Metodologija praćenja rada pogonskog mehanizma sa hidrodinamičkom spojnicom i određivanja trajanja njegovog zaleta, “Tehnika, Mašinstvo”, Beograd, 54(2005)3, str. 17-24 |
| 6. | R. Šostakov, N. Babin, N. Brkljač: Analiza mogućnosti i postupaka uklapanja domaćih u međunarodne bazne standarde iz oblasti dizalica, I međunarodni naučno-stručni skup “Teška mašinogradnja "93”, Kruševac, Vrnjačka Banja, 1993, Zbornik radova, str. 85-90 |
| 7. | R. Sostakov, N. Babin, M. Zubic: The Concept Of Surveying The Transient States Of Crane Driving Mechanisms Operation Based On The Operating Point Motion - Didactical And Practical Aspect, XIV International Conference on Material Handling and Warehousing, Belgrade, 11. - 12. 12. 1996, Collected Papers, p. 2.20.-2.25 |
| 8. | R. Sostakov, J. Vladic, D. Uzelac, N. Brkljac: Berechnung der Anlaufdauer eines Antriebssystems mit hydrodynamischer Kupplung aufgrund des vereiniges M-n Diagrams, XIV International Conference on Material Handling and Ware¬housing, ??lgrade, 11. - 12. 12. 1996, Collected Papers, p. 4.67.-4.72 |
| 9. | R. Sostakov, P. Dragicevic, N. Babin, H. Licen: Subroutine For ON-LINE Discretisation And Classification Of A Stress-Time Function Using Modified Full Cycles Method, XIV International Conference on Material Handling and Warehousing, Belgrade, 11. - 12. 12. 1996, Collected Papers, p. 4.99.-4.102 |
| 10. | R. Sostakov, R. Jevremovic, M. Zubic: Electrical Motor Modelling As A Part Of Crane Driving Mechanism Modelling, XIV International Conference on Material Handling and Warehousing, Belgrade, 11. - 12. 12. 1996, Collected Papers, p. 4.162.-4.167 |


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Štrbac D. Dragana |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.04.2002 |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2011 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 2011 | Faculty of Sciences - Novi Sad | Physics |
| Magister thesis | 2006 | Faculty of Sciences - Novi Sad | Physics |
| Bachelor's thesis | 2001 | Faculty of Sciences - Novi Sad | Physics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z101 | Introduction and Principles of Environmental Protection | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | Z105 | Energy and Environment | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | Z105A | Energy and the environment | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 4. | ZR101 | Introduction and Principles of Occupational Safety | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 5. | ZR440 | Influence of radiation on health and occupational safety | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 6. | Z105 | Energija i okruženje(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | ZC047 | Waste to energy tehnologies | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 8. | Z477 | Sustainable Agriculture Engineering | (Z20) Environmental Engineering, Master Academic Studies |
| 9. | Z508 | Specific Design Conditions in Environment Protection | (Z20) Environmental Engineering, Master Academic Studies |
| 10. | Z510 | Accidental Risk Management and the Environment | ( OM1) Mathematics in Engineering, Master Academic Studies<br>( Z01) Safety at Work, Master Academic Studies<br>(Z20) Environmental Engineering, Master Academic Studies |
| 11. | ZR501 | Hazardous Materials and Hazardous Waste | ( Z01) Safety at Work, Master Academic Studies |
| 12. | Z510 | Upravljanje akcidentalnim rizicima i životna sredina(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 13. | SZD017 | Solid Materials in the Environment | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 14. | ZCM03 | Novel materials in energetics | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 15. | ZCM06 | Security of strategic energy facilities | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 16. | ZD017 | Solid Materials in the Environment | ( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | S. R. Lukić, D. M. Petrović, G. R. Štrbac, D. D. Štrbac, Chalcogenide films on glass substrate as attenuattors of X-ray radiatio, Zeitschrift fur Kristallographie, 23 (2006) |
| 2. | D.D. Strbac, S.R. Lukic, D.M. Petrovic, J.M. Gonzalez-Leal, A. Srinivasan, Single oscillator energy and dispersion energy of uniform, Journal of Non-Crystalline Solids, 353 (2007) |
| 3. | A.F. Kozmidis-Petrovic, G.R. Strbac, D.D. Strbac, Kinetics of non-isothermal crystallization of chalcogenide, Journal of Non-Crystalline Solids 353 (2007) |
| 4. | D. D. Štrbac, S. Lukić, D. Petrović , J. M. Gonzalez-Leal, A. Srinivasan , G. Štrbac, Influence of substrate absorption on accuracy of determination of refractive index and thickness of uniform thin chalcogenide Cu1[As2(S0.5Se0.5)3]99 film, Thin Solid Films, 518 (2010) |
| 5. | G., Štrbac, S. Lukić-Petrović, D. Štrbac, D. Petrović, Effect of arsenic atom substitute with antimony on crystallization processes and thermal stability of the (Sb, As)-S-I system, Journal of Non Crystalline Solids, 358 (2012) |
| 6. | Bašić Đorđe; Petrović Jovan; Marić M.; Dragutinović Gordan; Gvozdenac Urošević Branka; Štrbac Dragana; Mogućnosti korišćenja energetskog potencijala geotermalnih voda u Vojvodini, ISBN 978-86-815-0341-5,Prometej; 2009 |
| 7. | A.F.Petrović, S.R. Lukić, D.D.Štrbac, Critical rate of cooling glassy melts under conditions of continuous nucleation. The application to some chalcogenide glasses, Journal of Optoelectronics and Advanced Materials, 44 (2004) |

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 8. | S. R. Lukić, D. M. Petrović, D. D: Štrbac, V. B. Petrović, F. Skuban, Dependence of thermal stability and thermomechanical characteristics of non-crystaline chalcogenides in the Cu-As-Se system on copper content, Journal of Thermal Analysis and Calorymetry, 82 (2005) |
| 9. | A. Djordjevic, M. Vojinovic-Miloradov, A. Kapor, D. Lazar, D. Petrovic, V. Djordjevic Milic, Crucial role of alkyl –supstituted benzenes in the formation of intercalate drivatives of C60; Materials Science Forum, 453-454 (2004) |
| 10. | S. Lukić, D. Petrović, V. Petrović, D. D. Petrović, Dispersion of refractive index of the non-crystalline chalcogenides in Cu-As-Se system, Material Science Forum, 453-454 (2004) |

| Summary data for teacher's scientific or art and professional activity: | | | | |
|---|---|---|---|---|
| Quotation total : | 13 | | | |
| Total of SCI(SSCI) list papers : | 11 | | | |
| Current projects : | Domestic : | 3 | International : | 0 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Tabaković N. Slobodan |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 10.10.2000 |
| Scientific or art field: | Machine Tools, Flexible Technological Systems and Automatization |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2008 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |
| PhD thesis | 2008 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |
| Magister thesis | 2002 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |
| Bachelor's thesis | 1998 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P1402 | CAD/CAE/CAM i CIM Systems | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P1407 | Machine Tools Designing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P1410 | Virtual Product Designing | ( P00) Production Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 4. | P301 | Automation in Production Engineering | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P307 | Automated Flexible Technologial Systems | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | ZR408A | Safety at work on the machines for processing | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 7. | P1405 | Contemporary Approach to Product Designing | ( PM0) Production Engineering, Master Academic Studies |
| 8. | PR408 | Fundamentals on Protection for Operation on Processing Machines | ( PM0) Production Engineering, Master Academic Studies |
| 9. | IM2118 | Fundamentals of CAD / CAM technology | (I20) Engineering Management, Master Academic Studies |
| 10. | P307A | Flexible technological systems | ( E20) Computing and Control Engineering, Master Academic Studies |
| 11. | PAUP1 | Automatization in plastic | ( PM0) Production Engineering, Master Academic Studies |
| 12. | PP102 | Precision of machine tools | ( PM0) Production Engineering, Master Academic Studies |
| 13. | PP110 | The dynamics of micro machining systems | ( PM0) Production Engineering, Master Academic Studies |
| 14. | PP2I12 | Design of prosthetic devices | ( BM0) Biomedical Engineering, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 15. | SM2 | Methods and software tools for computer aided design | ( PM0) Production Engineering, Master Academic Studies |
| 16. | ZRMI1A | Occupational noise and human vibration in industry | ( Z01) Safety at Work, Master Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Tabaković, S., Gatalo, R., Zeljković, M., Toma, J.: A concept of Automated Design of modular Machine Tools with parallel kinematics based on CAD workpiece model, Machine Engineering, Vol. 2, No 1-2, 2002, pp. 171 - 182
2. Tabaković S., Živković A., Grujić J., Zeljković M.: Using CAD/CAE software systems in the design process of modular, revision total hip endoprosthesis, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 97-102, ISSN 1583-7904
3. Živković A., Zeljković M., Tabaković S.: Matematical Model for the Roller Bearing Life Determination, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 3/2010, pp. 108-115, ISSN 1583-7904
4. Blanuša V., Zeljković M., Vilotić D., Tabaković S.: The specificity of punch presses programming, Journal for Technology of Plasticity, 2011, Vol. 36, No 2, pp. 121-235, ISSN 0354-3870
5. Tabaković S., Zeljković M., Mlađenović C., Gatalo R.: Uređaj za manipulaciju radnim predmetima ili alatima kod mašina alatki i industrijskih manipulatora, Beograd, Zavod za intelektualnu svojinu, Glasnik intelektualne svojine, 2012, UDK: Broj patenta RS20121243

| Representative refferences (minimum 5, not more than 10) | |
|---|---|
| 6. | TABAKOVIĆ, S., ZELJKOVIĆ, M., GATALO, R.: A contribution to workspace analysis of machine tools based on parallel mechanism, Journal of Machine Engineering, 2007, Vol. 7, No. 1, str. 80- 90, ISSN 1895-7595. |
| 7. | Tabaković S., Zeljković M., Živković A., Movrin D., Grujić J.: Development of the endoprosthesis of the femur according to the characteristics of a specific patient with using modern methods for product design and rapid prototyping, Journal for Technology of Plasticity, 2012, Vol. 37, No 2, pp. 195-208, ISSN 0354-3870 |
| 8. | Tabaković, S., Gatalo, R., Konjović, Z.: Object-Oriented Approach to Design Process Automation, The 2nd Regional Symposium "Young People and the Multidisciplinary Research", Timisoara, Romania, 1999., pp. 462 – 468, ISBN 973-585-041-9 |
| 9. | Tabaković, S., Gatalo, R., Zeljković, M.: Analiza tačnosti aproksimacije profila pri generisanju upravljačkih programa za CNC mašine primenom programskog sistema PRO/Engineer, Zbornik radova, VIII Međunarodna konferencija MMA 2003 - Fleksibilne tehnologije, Novi Sad, 2003. str. 117, 118, |
| 10. | Tabaković, S.; Gatalo, R.; Zeljković, M.: Designing machine tools based on parallel kinematics using contemporary engineering and mathematical methods the 15th international DAAAM symposium, "Intelligent Manufacturing & Automation: Globalization – Technology – Men - Nature" 3 – 6th November 2004, Vienna, Austria, pp. 453-454, ISSN 1726-9679, ISBN 3-901509-42-9 |

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

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. | A374 | Project and Construction Management 1 | ( A00) Architecture, Undergraduate Academic Studies |
| 2. | GG31 | Technology and Building Organization 1 | (G00) Civil Engineering, Undergraduate Academic Studies |
| 3. | GG311 | Technology and Building Organization in Hydrotechnics | (G00) Civil Engineering, Undergraduate Academic Studies |
| 4. | GG33 | Technology and Building Organization 2 | (G00) Civil Engineering, Undergraduate Academic Studies |
| 5. | GG404 | Precasting and Assembly Technology | (G00) Civil Engineering, 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 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Turk-Sekulić M. Maja |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 28.12.2004 |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 2009 | Faculty of Technical Sciences - Novi Sad | Chemical, Physical and Biological principles in Environment Protection Engineering |
| Magister thesis | 2006 | University of Novi Sad - Novi Sad | Chemical, Physical and Biological principles in Environment Protection Engineering |
| Bachelor's thesis | 2003 | Faculty of Technology - Novi Sad | Technological Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | URZP61 | Fundamentals of the Burning Processes Theory | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 2. | Z102 | Technical Chemistry | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | Z109 | Chemical Principles in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z305 | Data Analysis of Environmental Condition | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z305A | Environmental data analysis | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 6. | Z102 | Tehnička hemija(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | Z109 | Hemijski principi u inženjerstvu zaštite životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z151 | Chemistry in Mechanical Engineering | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 9. | Z153 | Chemistry in Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 10. | Z155 | Chemical Principles in Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | Z600 | Chemical Phenomena in Engineering | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 12. | Z503 | Practical Course in Environment Protection | (Z20) Environmental Engineering, Master Academic Studies |
| 13. | Z507 | Physical and Chemical Principles | (Z20) Environmental Engineering, Master Academic Studies |
| 14. | ZR504 | Protection against Chemical Harms, Fire and Explosion | ( OM1) Mathematics in Engineering, Master Academic Studies |
| 15. | Z507 | Fizičko hemijski principi(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 16. | MPK005 | Analysis of environmental protection systems | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 17. | SZD050 | Transport and distribution of pollutants in heterogeneous multicomponent systems | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 18. | SZSP09 | Remediation of contaminated locations | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 19. | SZSP17 | Savremene instrumentalne metode analize zagađujućih supstanci u životnoj sredini | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 20. | ZR504A | Chemical risk assessment of fire and explosion | ( Z01) Safety at Work, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 21. | ZD050 | Transport and distribution of pollutants in heterogeneous multicomponent systems | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 22. | ZDO03 | Applied Analysis of Physical and Chemical Parameters | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109- 113. |
| 2. | Turk Sekulić M., Radonić (Jakšić) J., Đogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches, Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3 |
| 3. | Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia, Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72. |
| 4. | Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija. |
| 5. | Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Đogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/JSC100616037R |
| 6. | Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 65, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621 |
| 7. | Radonić (Jakšić) J., Ćulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M.: Prediction of gas-particle partitioning of PAHs based on M5' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: doi: 10.2298/TSCI100809005R |
| 8. | Grujić Letić N., Milić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mihajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103 |
| 9. | Milić N., Milanović M., Grujić Letić N., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Vojinović-Miloradov M.: Occurrence of antibiotics as emerging contaminant substances in aquatic environment DOI: 10.1080/09603123.2012.733934, INT J ENVIRON HEAL R, 2012, pp. 1-15, ISSN 0960-3123 |
| 10. | Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle-bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI: 10.2298/HEMIND120113062J, Hemijska industrija, 2012, pp. 1-36, ISSN 0367-598X |


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 0 | | | |
| Total of SCI(SSCI) list papers : | 8 | | | |
| Current projects : | Domestic : | 2 | International : | 3 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Ubavin M. Dejan |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.08.2005 |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| PhD thesis | 2012 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| Magister thesis | 2008 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| Bachelor's thesis | 2004 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | Z205 | Sustainable Use of Natural Resources and Environmental Protection System | ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies<br>( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 2. | Z309A | Solid Waste Management | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | Z401A | Design and Planning in Environmental Protection | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z401B | Design and Planning in Environmental Engineering | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 5. | Z409A | Hazardous Waste Management and Recycling Technologies | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z414 | Contemporary Methods of Soil Remediation | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | OAS214 | Integralni katastar zagađivača(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z309A | Upravljanje čvrstim otpadom(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | M3202 | Identification and reduction of pollution from industry | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 10. | ZC047 | Waste to energy tehnologies | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 11. | Z452 | Design and maintenance of quality control in environmental engineering | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 12. | Z508 | Specific Design Conditions in Environment Protection | (Z20) Environmental Engineering, Master Academic Studies |
| 13. | Z511 | Institutional Framework for Accidental Risk Management | (Z20) Environmental Engineering, Master Academic Studies |
| 14. | ZR501 | Hazardous Materials and Hazardous Waste | ( Z01) Safety at Work, Master Academic Studies |
| 15. | ZR502 | Occupational Risk Assessment | ( Z01) Safety at Work, Master Academic Studies |
| 16. | Z508 | Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 17. | Z511 | Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 18. | GH508 | Landfill desing and municipal waste treatmant systems | (G00) Civil Engineering, Master Academic Studies |
| 19. | MPK027 | Management of environmental facilities | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 20. | SZSP21 | Design and Planning Processes to Minimize Waste and Hazardous Materials | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 21. | ZD052 | Efficient Use of Natural Resources and Low-Carbon Development | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 22. | ZDI23 | Material Flow Analysis in Urban Systems | ( Z00) Environmental Engineering, Doctoral Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 23. | ZSP21 | Design and Planning Processes to Minimize Waste and Hazardous Materials | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |
| 24. | ZRD213 | Current state and development tendencies of quality management of work environment | ( Z01) Safety at Work, Doctoral Academic Studies |
| 25. | ZRD231 | Economic implication of occupational health and safety projects implementation | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Stanisavljević N., Ubavin D., Batinić B., Fellner J., Vujić G.: Methane emissions from landfills in Serbia and potential mitigation strategies: a case study, WASTE MANAGE RES, 2012, ISSN 0734-242X |
| 2. | Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B.: Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456 |
| 3. | Vujić G., Jovičić N., Maja Đ., Ubavin D., Nakomčić Smaragdakis B., Gordana J., Dušan G.: INFLUENCE OF AMBIENCE TEMPERATURE AND OPERATIONAL - CONSTRUCTIVE PARAMETERS ON LANDFILL GAS GENERATION - CASE STUDY NOVI SAD, Thermal Science - International Scientific Journal, 2010, Vol. 14, No 2, pp. 555-564, ISSN 0354-9836, UDK: 547.211:631.41 |
| 4. | Vujić B., Milovanović D., Ubavin D.: Analiza koncentracionih nivoa čestičnih materija (PM10, ukupnih suspendovanih čestica i čađi) u Zrenjaninu, Hemijska industrija, 2010, Vol. 64, No 5, pp. 453-458, ISSN 0367-598X |
| 5. | Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad - CHISA 2004, 16th International Congress of Chemical and Process Engineering, Prague, Czech Republic, August 2004 |
| 6. | Analysis of location for building objects; - Sixth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States (Prague 2003), Czech Republic, September 2003 |
| 7. | Vujić, G. Batinić, B. Ubavin, D. Stanisavljević. N., Analysis of municipal waste content & waste amount as the basis for the new waste management policy in Vojvodina, Serbia, ISWA/WMRAS World Congress, Singapore: ISWA, 03. - 06. Novembar, 2008. |
| 8. | Ubavin D., Vujić G., Stanisavljević N., Batinić B., Mirosavljević Z.: National Methane Emissions from Waste Disposal Sites in Serbia, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, pp. 1279-1287, ISBN 978-88-907694-2-9 |
| 9. | Stanisavljević N., Jokanović S., Batinić B., Ubavin D., Vujić G.: Evaluation of Different Waste Management Options for South East Europe, Exemplified for The City of Novi Sad, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, pp. 1266-1272, ISBN 978-88-907694-2-9 |
| 10. | Batinić B., Ubavin D., Stanisavljević N., Vujić G., Tot B.: Analysis of relation between socioeconomic factors and MSW practice using ANN models, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, ISBN 978-88-907694-2-9 |

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

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

Science, arts and professional qualifications

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

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

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M2407 | Biosystem Machines 2 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies |
| 2. | M304 | Biosystem Machines 1 | ( H00) Mechatronics, Undergraduate Academic Studies<br>( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 3. | URZP54 | Devices in the Process Industry | ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies |
| 4. | Z475A | Environmental engineering in biosystems | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z476 | Energy and renewable energy sources in rural areas | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | ZRI421 | Occupational Safety in Agriculture and Forestry | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 7. | Z475 | Inženjerstvo zaštite životne sredine u biosistema(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z476 | Energija i obnovljivi izvori energije u ruralnim oblastima(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | H2405 | IT in Biosystems | ( H00) Mechatronics, Master Academic Studies<br>( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 10. | M2651 | Tractors | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 11. | M2652 | Agricultural machinery for renewable energy sources | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 12. | Z477 | Sustainable Agriculture Engineering | (Z20) Environmental Engineering, Master Academic Studies |
| 13. | Z478A | Information technology support sustainable biosystems | (Z20) Environmental Engineering, Master Academic Studies |
| 14. | Z477 | Inženjerstvo održive poljoprivrede(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 15. | Z478 | Informaciono-tehnološka podrška održivom razvoju biosistema(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 16. | SZSP14 | Contemporary approach to the biosystems engineering | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 17. | SZSP16 | Engineering of renewable enery sources in agriculture | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 18. | DOM24 | Procedure and Machines for Sustainable Agriculture | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | ZSP14 | Contemporary Approaches to Sustainable Engineering Biosystems | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 20. | ZSP16 | Engineering of Renewable Energy in Agriculture | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Veselinov, B.: Prilog razvoju sistema za presovanje vlaknastih biomaterijala kod presa za valjkaste bale sa promenljivom zapreminom komore za presovanje, Fakultet tehničkih nauka, Novi sad, Magistarski rad, 1989, 98 strana |
| 2. | Veselinov, B.: Uticaj raznih postupaka mehaničkog usitnjavanja suve pitome nane na kvalitet dobijene biljne sirovine, Fakultet tehničkih nauka, Novi Sad, Doktorska disertacija, 2003, 110 strana |
| 3. | Martinov, M., Veselinov, B., Bojić, S. 2007. Maize Cobs Processor – Preparations for its use as a Fuel. 11-th International Research/Expert Conference »Trends in the Development of Machinery and Associated Technology« TMT 2007, Hammamet, Tunisia, 05-09 Septembar, 1167-1170 |
| 4. | Martinov, M., Adamović, D., Veselinov, B., Mujić, I., Bojić, S. 2008. Fazno sušenje lekovitog bilja u šaržnoj sušari. Savremena poljoprivredna tehnika, 34(1-2), 1-12. (ISSN 0350-2953) |
| 5. | Martinov, M., Veselinov, B., Bojić, S. 2008. Drobljenje oklasaka kukuruza – priprema za korišćenje kao gorivo. Savremena poljoprivredna tehnika, 34(1-2), 26-31 |
| 6. | Veselinov, B., Adamović, D., Martinov, M. 2008. Istraživanje mogućnosti mehanizovanog branja cvasti nevena, Bilten za hmelj, sirak i lekovito bilje, Institut za ratarstvo i povrtarstvo Novi Sad, 40(81), 22-33 |
| 7. | Martinov, M, Veselinov, B. 2009. Stanje u oblasti poljoprivrednog inženjerstva – Akcenti Konferencije VDI-MEG LAND-TECHNIK 2008. Savremena poljoprivredna tehnika, 35(3), 157-168. (ISSN 0350-2953) |
| 8. | Martinov, M., Adamović, D., Veselinov, B., Matavuly, M., Bojic, S. and I. Mujic. 2008.Practice oriented investigation of chamomile and peppermint drying in batch dryer. 36. International Symposium Agricultural Engineering: Actual Tasks on Agricultural Engineering, Opatija, 11-15 February 2008, Book of Proc, 479-490. ISSN1533-2651 |
| 9. | Martinov M, Bojic S, Golub M, Veselinov B. 2012. Practice oriented investigation of hull-less oil pumpkin seeds, Cucurbita pepo L., drying in batch dryers. 7th Conference of Medicinal and Aromatic Plants of Southeastern European Countries. Subotica 27th-31st of Mai 2012, CD of Proc. 241-247. ISBN: 978-86-83-141-16-6 |
| 10. | Martinov M, Golub M, Djordje Dj, Bojic S, Veselinov B. 2012. Total and available yield of soybean residues. 4th International Scientific and Expert Conference TEAM 2012 Technique, Education, Agriculture & Management. Slavonski Brod, 17th to 19th October 2012, CD of proc. 307-310. ISSN 1847-9065 |

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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Vilotić Ž. Dragiša |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.01.1975 |
| Scientific or art field: | Plastic Deformation Technology, Rapid Prototyping, Virtual |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 1998 | Faculty of Technical Sciences - Novi Sad | Plastic Deformation Technology, Rapid Prototyping, Virtual |
| PhD thesis | 1986 | Faculty of Technical Sciences - Novi Sad | Plastic Deformation Technology, Rapid Prototyping, Virtual |
| Magister thesis | 1981 | Faculty of Technical Sciences - Novi Sad | Plastic Deformation Technology, Rapid Prototyping, Virtual |
| Bachelor's thesis | 1974 | Faculty of Technical Sciences - Novi Sad | Plastic Deformation Technology, Rapid Prototyping, Virtual |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P207 | Metal forming | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P2401 | Advanced Methods in Metal Forming | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P2413 | Computer Aided Design of Tools and Dies for Metal Forming | ( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | P303 | Machines for Processing by Deforming | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P3403 | Technology of Plastic Forming - Shaping of plastic material | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | P3503 | Machines and Devices for Plastic Processing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 7. | M2062 | Mechanical engineering technologies 2 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 8. | M3203 | Technology of machinery | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 9. | P3402 | Physical and Phase States of Polymers | ( P00) Production Engineering, Undergraduate Academic Studies |
| 10. | ZR408A | Safety at work on the machines for processing | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 11. | P2407 | Rapid Prototyping and Rapid Tooling | ( PM0) Production Engineering, Master Academic Studies |
| 12. | P3501 | Tool Designing for Plastic | ( PM0) Production Engineering, Master Academic Studies |
| 13. | P3503A | Contemporary Process Systems for Plastic Treatment | ( PM0) Production Engineering, Master Academic Studies |
| 14. | BMIM4B | Technologies of shaping biomedical materials | ( BM0) Biomedical Engineering, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 15. | PMISP1 | Modelling and Simulation of Metal Forming Processes | ( PM0) Production Engineering, Master Academic Studies |
| 16. | PTS01 | Technology of sintering | ( PM0) Production Engineering, Master Academic Studies |
| 17. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 18. | DP005 | State and Tendencies in Development of Metrology, Quality and Equipment | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | DP008 | Contemporary Methods and TPD Systems | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 20. | DP012 | Physical Modelling and TPD Simulation by Computers | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 21. | DP015 | Nonconventional Procedures of Forming in TPD | ( M00) Mechanical Engineering, Doctoral Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 22. | SID04 | Current State in the Field | ( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies<br>( E20) Computing and Control Engineering, Doctoral Academic Studies<br>( F00) Graphic Engineering and Design, Doctoral Academic Studies<br>( F20) Engineering Animation, Doctoral Academic Studies<br>( G00) Civil Engineering, Doctoral Academic Studies<br>( GI0) Geodesy and Geomatics, Doctoral Academic Studies<br>( H00) Mechatronics, Doctoral Academic Studies<br>( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies<br>( M00) Mechanical Engineering, Doctoral Academic Studies<br>( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( S00) Traffic Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies |
| 23. | DP026 | Modern methods for polymers investigation | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 24. | DP028 | Theoretical basis for forming polymer technology | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 25. | SID04 | Present State in the Field | ( A00) Architecture, Doctoral Academic Studies<br>( AS0) Scenic Design, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 1. | Essa K., Kačmarčik I., Hartley P., Plančak M., Vilotić D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol. 212, No 4, pp. 817-824, ISSN 0924-0136 |
| 2. | Alexandrov S., Vilotić D., Konjovoć Z., Vilotić M.: An Improved Experimental Method for Detrmining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851 |
| 3. | Alexandrov S., Vilotić D.: A study on an effect of geometric singularities on ductile fracture , Engineering Fracture Mechanics, 2009, Vol. 76, No 14, pp. 2309-2315, ISSN 0013-7944 |
| 4. | Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests , Experimental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851 |
| 5. | Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 1611-3683 |
| 6. | Vilotić D., Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683 |
| 7. | Vilotić D., Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies , Steel Research International, 2011, pp. 923-928, ISSN 1611-3683 |
| 8. | Lyamina E., Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel Research International, 2010, Vol. 9, No 81, pp. 306-3090, ISSN 1611-3683 |
| 9. | D. Vilotić, D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na Fakultetu tehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 slajdova, Vršac, 13-16. juni 2006. |
| 10. | Obradović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova MMA 2006, strana 27-28, FTN, Novi Sad, juni 2006. |


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 17 | | | |
| Total of SCI(SSCI) list papers : | 15 | | | |
| Current projects : | Domestic : | 1 | International : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Vladić M. Jovan |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 12.11.1975 |
| Scientific or art field: | Machine Constructions, Transport Systems and Logistics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 1999 | Faculty of Technical Sciences - Novi Sad | Machine Constructions, Transport Systems and Logistics |
| PhD thesis | 1989 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |
| Magister thesis | 1982 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |
| Bachelor's thesis | 1974 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | M207A | Computer-Aided Design | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 2. | M2402 | Continuous and Automated Transport | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies |
| 3. | M2610 | Graphic Communications and CAD | ( H00) Mechatronics, Undergraduate Academic Studies |
| 4. | M312A | Fundamentals of Transportation Machines | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 5. | M313A | CAD/CAE Course | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies |
| 6. | S0218 | Reload Logistics | ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies |
| 7. | S1218 | Reload Logistics | ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies |
| 8. | ZR407A | Occupational safety in internal transport, reloading and warehouse | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 9. | H2504 | Transportation and Manipulation Systems | ( H00) Mechatronics, Master Academic Studies |
| 10. | M2503 | Transport Systems and Devices | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 11. | M2509A | Automated Machine Designing | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 12. | M2532 | Packaging Machines | ( M22) Mechanization and Construction Engineering, Master Academic Studies |
| 13. | LIM12 | Transport Technique and Material Flow | ( LIM) Logistic Engineering and Management, Master Academic Studies |
| 14. | LIM13 | Packaging Techniques and Packaging | ( LIM) Logistic Engineering and Management, Master Academic Studies |
| 15. | LIM24 | Urban Logistics | ( LIM) Logistic Engineering and Management, Master Academic Studies |
| 16. | H797 | Mechatronics in mechanization - advanced topics | ( H00) Mechatronics, Master Academic Studies |
| 17. | DM213 | Contemporary Methods of Designing and Machine Constructing | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 18. | DM331 | Selected Chapters in Transport and Construction Machines | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | DM410 | Selected Chapters in Food Processing Machines and Equipment | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 20. | DOM20 | Engineering Analysis Methods | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 21. | DOM23 | Product Development | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 22. | DOM25 | Contemporary Procedures for Mobile Machine Designing | ( M00) Mechanical Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 2. | Vladić J., Malešev P., Šostakov R., Brkljač N.: Dynamic Analysis of the Load Lifting Mechanisms, Strojniski vestnik = Journal of Mechanical Engineering, 2008, No 10, pp. 655-661, ISSN 0039-2480 |
| 3. | Vladić J., Đokić R., Živanić D.: Simulations and dynamic models of electrical elevators, 7. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Balatonfured: Faculty of Technical Sciences, 24-26 Maj, 2012, pp. 121-126, ISBN 978-86-7892-399-9 |
| 4. | Đokić R., Vladić J., Živanić D.: Design and bases for assembling prefabricated industrial objects, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 189-192, ISBN 978-86-7892-278-7 |
| 5. | Vladić J., Đokić R.: Modeling and dynamic analysis as basis for elevators design, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 193-198, ISBN 978-86-7892-278-7 |
| 6. | Vladić J., Živanić D., Đokić R., Gajić A.: Analysis and Choice of Prefabricated Industrial Halls Elements , 19. International conference on MATERIAL HANDLING, CONSTRUCTIONS AND LOGISTICS, Beograd: Mašinski fakultet Beograd, 15-16 Oktobar, 2009, pp. 257-260, ISBN 978-86-7083-672-3 |
| 7. | Vladić J., Gajić A., Đokić R., Živanić D.: Choice of Optimal Transportation Mechanisation at Open Pit , 6. International Conference "Heavy Machinery" - HM, Kraljevo: Faculty of mechanical engineering Kraljevo, 24-29 Jun, 2008, pp. 63-68, ISBN 978-86-82631-45-3 |
| 8. | Vladić J., Živanić D., Đokić R., Gajić A.: Analysis of Material Flows and Logistics Approach in Design of Material Handling Systems, 6. International Conference "Heavy Machinery" - HM, Kraljevo: Faculty of mechanical engineering Kraljevo, 24-29 Jun, 2008, pp. 69-72, ISBN 978-86-82631-45-3 |
| 9. | Vladić J., Đokić R.: Dynamic behaviour of elevators and tribological processes in their driving systems, 2. Power Transmissions, Novi Sad: FTN Novi Sad, 25-26 April, 2006, pp. 537-542 |
| 10. | Vladić, J.: Računske i eksperimentalne metode za statičku i dinamičku analizu žičara, monografija, 1991., FTN Novi Sad |


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

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

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Vujić V. Goran |
| Academic title: | Associate Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 20.02.1999 |
| Scientific or art field: | Environment Protection Engineering |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2012 | | Environment Protection Engineering |
| PhD thesis | 2007 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| Magister thesis | 2003 | Faculty of Technical Sciences - Novi Sad | Environment Protection Engineering |
| Bachelor's thesis | 1998 | Faculty of Technical Sciences - Novi Sad | Mechanical Engineering |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | E0S42 | Renewable sources and environmental protection | ( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies |
| 2. | Z204A | Monitoring of the Living Environment | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 3. | Z309A | Solid Waste Management | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 4. | Z401A | Design and Planning in Environmental Protection | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 5. | Z401B | Design and Planning in Environmental Engineering | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 6. | Z409A | Hazardous Waste Management and Recycling Technologies | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 7. | OAS214 | Integralni katastar zagađivača(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | Z101 | Uvod i principi zaštite okruženja(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 9. | Z205 | Održivo korišćenje prirodnih resursa i sistem zaštite životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 10. | Z309A | Upravljanje čvrstim otpadom(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 11. | Z401A | Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 12. | Z409A | Upravljanje opasnim otpadom(uneti naziv na engleskom) | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 13. | M3202 | Identification and reduction of pollution from industry | ( M30) Energy and Process Engineering, Undergraduate Academic Studies |
| 14. | ZC047 | Waste to energy tehnologies | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 15. | Z452 | Design and maintenance of quality control in environmental engineering | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 16. | Z508 | Specific Design Conditions in Environment Protection | (Z20) Environmental Engineering, Master Academic Studies |
| 17. | Z511 | Institutional Framework for Accidental Risk Management | (Z20) Environmental Engineering, Master Academic Studies |
| 18. | ZR501 | Hazardous Materials and Hazardous Waste | ( Z01) Safety at Work, Master Academic Studies |
| 19. | Z508 | Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom) | (Z20) Environmental Engineering, Master Academic Studies |
| 20. | GH508 | Landfill desing and municipal waste treatmant systems | (G00) Civil Engineering, Master Academic Studies |
| 21. | MPK012 | Solid waste management | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 22. | MPK014 | Monitoring and system control | ( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies |
| 23. | PIP16 | Plastics and environmental protection | ( PM0) Production Engineering, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 24. | SZD042 | Models of economic evaluation of environmental projects | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 25. | SZD051 | Applications of optimal control theory in living environment protection | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 26. | SZDI23 | Material Flow Analysis in Urban Systems | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 27. | SZSP21 | Design and Planning Processes to Minimize Waste and Hazardous Materials | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 28. | ZCM06 | Security of strategic energy facilities | ( ZC0) Clean Energy Technologies, Master Academic Studies |
| 29. | ZD051 | Applications of optimal control theory in living environment protection | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 30. | ZDI23 | Material Flow Analysis in Urban Systems | ( Z00) Environmental Engineering, Doctoral Academic Studies |
| 31. | ZDO42 | Models of Economic Evaluation of Projects for Environment Protection | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies |
| 32. | ZSP20 | Systemic Regulation of Environment | ( G00) Civil Engineering, Doctoral Academic Studies |
| 33. | ZSP21 | Design and Planning Processes to Minimize Waste and Hazardous Materials | ( OM1) Mathematics in Engineering, Doctoral Academic Studies<br>( Z00) Environmental Engineering, Doctoral Academic Studies<br>( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Vujić, G., Pešenjanski, I.: Combustion chamber for stawn bals, Fifth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2000.
2. Vujić, G., Marinić, I., Bašić, Đ.: Waste Separation and Recicling Methods, Which Are The Most Suitable For City of Novi Sad, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.
3. Vujić, B., Vujić, G.: Environmental due diligence and its appliance in specific national environmental condition in Serbia&Montenegro, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.
4. Jezdimirovic.I.A., Vujic,G., Mudric, J.: Special Conditions of Raw and Drinking Water management, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.
5. Vujić, G., Bašić, Đ. Mihajlov, A.: Process of privatisation and environment in Serbia and Montenegro, PSU-UNS conference, HAT-YAI, Thailand, 16-18 december. 2003.
6. Vujić, G., Vojinović-Miloradov M., Bašić, Đ., Vujić,B., Čabradi, G., Tomašević, B.: Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad, CHISA 2004, 22-26,08.2004.Prague, Czech Republic.
7. Ubavin, D., Vujić, G., Bašić, Đ.:Landfill gas extraction and collection systems; PSU-UNS International Conference On Engineering And Environment - ICEE-2005, Novi Sad 19-21 May, 2005.
8. Ubavin, D., Vujić, G., Mihajlov, A., Bašić, Đ.: Gas to energy opportunity on landfill in city of Novi Sad – Serbia and Montenegro D. Faculty of Technical Sciences, Novi Sad, Serbia and Montenegro, World Congress and Exhibition "ISWA 2005", November 6.-10. 2005. Buenos Aires, Argentina Ref No 194, Proceedings p.82
9. Marjanović, D., Vujić, G , Mihajlović, V., Ubavin, D.: Selection of Technology and Public Opinion as Key Factors in Regional Landfill Location Selection, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICCEE2007149
10. Vujić, G , Mihajlović, V., Ubavin, D.: Possibilities for Landfill Gas Usage at Novi Sad Landfill, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICEE2007150


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 : | 1 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Vukelić B. Đorđe |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 23.10.2000 |
| Scientific or art field: | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2010 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| PhD thesis | 2010 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| Magister thesis | 2005 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |
| Bachelor's thesis | 2000 | Faculty of Technical Sciences - Novi Sad | Metrology, Quality, Fixtures and Ecological-Engineering Aspects |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P1401 | Fixture Design and Measuring Machines | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P1508 | Reverse Engineering and CAQ | ( P00) Production Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 3. | P209 | Measurements and Quality | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | P306 | Fixtures | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | Z207 | Mechanical Engineering in Environmental Engineering | (Z20) Environmental Engineering, Undergraduate Academic Studies |
| 6. | Z207A | Mechanical Engineering in Environmental Engineering | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 7. | Z301 | Pollution Measurement and Control | ( Z01) Safety at Work, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | ZRI441 | Material handling systems for environmental and labor protection | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 9. | II1037 | Disassembly and recycling technologies | ( I10) Industrial Engineering, Undergraduate Academic Studies |
| 10. | P322 | Introduction to Precision Engineering | ( P00) Production Engineering, Undergraduate Academic Studies |
| 11. | ZC036 | Measurement and control of pollution | ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies |
| 12. | P1409 | Material Control Systems and CAI | ( PM0) Production Engineering, Master Academic Studies |
| 13. | P1501 | Ecological Technologies and Systems | ( M40) Technical Mechanics and Technical Design, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 14. | Z416A | Environment Protection System Management | ( PM0) Production Engineering, Master Academic Studies |
| 15. | I907 | Automated Assembly Systems for High Accuracy | ( H00) Mechatronics, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 16. | P321 | Reverse Engineering and Rapid Prototyping | ( I10) Industrial Engineering, Master Academic Studies |
| 17. | PIP16 | Plastics and environmental protection | ( PM0) Production Engineering, Master Academic Studies |
| 18. | PLIS1 | Logistics and Simulation in Technologies of Plastics Processing | ( PM0) Production Engineering, Master Academic Studies |
| 19. | PP103 | Measurement and tools in precision engineering | ( PM0) Production Engineering, Master Academic Studies |
| 20. | SM3 | Software support for reverse engineering and CAQ | ( PM0) Production Engineering, Master Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 21. | SMI003 | Software support for cutting tools and fixtures modeling | ( PM0) Production Engineering, Master Academic Studies |
| 22. | SZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Specialised Academic Studies |
| 23. | DM411 | Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 24. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 25. | DP006 | State and development trends of metrology, quality and fixtures | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 26. | DP013 | Ecological Engineering Aspects | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 27. | DP019 | Selected topics in technical diagnosis | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 28. | ZDH1 | Modern Methods of Eco-design | ( Z00) Environmental Engineering, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)


1. Budak I., Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220.
2. Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593.
3. Tadić B., Todorović P., Vukelić Đ., Jeremić B.: Failure analysis and effects of redesign of a polypropylene yarn twisting machine, Engineering Failure Analysis, 2011, Vol. 18, No 5, pp. 1308-1321, ISSN 1350-6307.
4. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0268-3768.
5. Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768.
6. Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolič J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090.
7. Vukelić Đ., Zuperl U., Hodolič J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768.
8. Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolič J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154.
9. Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.
10. Tadić B., Vukelić Đ., Hodolič J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 34 | | | |
| Total of SCI(SSCI) list papers : | 21 | | | |
| Current projects : | Domestic : | 3 | International : | 3 |

# Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Safety at Work

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Zeljković V. Milan |
| Academic title: | Full Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 15.11.1977 |
| Scientific or art field: | Machine Tools, Flexible Technological Systems and Automatization |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2007 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |
| PhD thesis | 1996 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |
| Magister thesis | 1984 | Faculty of Technical Sciences - Novi Sad | Machine Tools, Flexible Technological Systems and Automatization Processes Design |
| Bachelor's thesis | 1977 | Faculty of Technical Sciences - Novi Sad | Technological Processes, Techno-Economic Optimization and Virtual Design |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | P1402 | CAD/CAE/CAM i CIM Systems | ( P00) Production Engineering, Undergraduate Academic Studies |
| 2. | P1407 | Machine Tools Designing | ( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | P1410 | Virtual Product Designing | ( P00) Production Engineering, Undergraduate Academic Studies<br>( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies<br>( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies |
| 4. | P301 | Automation in Production Engineering | ( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | P304 | Processing and Technological Systems | ( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | P307 | Automated Flexible Technologial Systems | ( P00) Production Engineering, Undergraduate Academic Studies |
| 7. | ZR308A | Security and Safety Equipment for working | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 8. | ZR408A | Safety at work on the machines for processing | ( Z01) Safety at Work, Undergraduate Academic Studies |
| 9. | P1405 | Contemporary Approach to Product Designing | ( PM0) Production Engineering, Master Academic Studies |
| 10. | PR408 | Fundamentals on Protection for Operation on Processing Machines | ( PM0) Production Engineering, Master Academic Studies |
| 11. | IM2118 | Fundamentals of CAD / CAM technology | (I20) Engineering Management, Master Academic Studies |
| 12. | P307A | Flexible technological systems | ( E20) Computing and Control Engineering, Master Academic Studies |
| 13. | PP102 | Precision of machine tools | ( PM0) Production Engineering, Master Academic Studies |
| 14. | PP110 | The dynamics of micro machining systems | ( PM0) Production Engineering, Master Academic Studies |
| 15. | PP2I12 | Design of prosthetic devices | ( BM0) Biomedical Engineering, Master Academic Studies<br>( PM0) Production Engineering, Master Academic Studies |
| 16. | DP001 | Design and Research Methods in Production Engineering | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 17. | DP003 | State and Developing Trend in the Field of Machine Tools, FTS, and Automation of Designing Processes | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 18. | DP010 | Behaviour Modelling and Experimental Testing of Working Systems | ( M00) Mechanical Engineering, Doctoral Academic Studies |
| 19. | ZRD18A | Behaviour Modelling and Experimental Testing of Working Systems | ( Z01) Safety at Work, Doctoral Academic Studies |
| 20. | ZRD235 | Systemic regulation in the field of occupational safety and health | ( Z01) Safety at Work, Doctoral Academic Studies |
| 21. | ZRD238 | State and trends of development safety and health at work in the area mechanical engineering | ( Z01) Safety at Work, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Zeljković M., Gatalo R.: Experimental and Computer Aided Analysis of High-Speed Spindle Assembly behaviour, CIRP Annals - Manufacturing Technology, 1999, Vol. 48, No 1, pp. 325-328, ISSN 0007-8506 |

Representative refferences (minimum 5, not more than 10)


| | |
|---|---|
| 2. | Gatalo R., Hodolič J., Zeljković M., Milošević V., Konjović Z.: Achievements in the developoment and future development of SAPOR-S systems for automatic programming of NC Lathes , Robotics and Computer-integrated Manufacturing, 1988, Vol. 4, No 1/2, pp. 91-102, ISSN 0736-5845 |
| 3. | Gatalo R., Rekecki J., Hodolič J., Borojev Lj., Zeljković M., Milošević V., Konjović Z., Malbaški D.: Automatic design of the technological process for NC lathes by the use of SAPOR-S system, International Journal of Production Research, 1983, Vol. 21, No 2, pp. 197-213, ISSN 0020-7543 |
| 4. | Todić V., Zeljković M., Tepić J., Milošević M., Lukić D.: Techno-economic method for evaluation and selection of flexible manufacturing systems, Metalurgija, 2012, Vol. 51, No 3, ISSN 0543-5846 |
| 5. | Antić A., Petrović P., Zeljković M., Kosec B., Hodolič J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, Materijali in tehnologije, 2012, Vol. 46, No 3, pp. 279-285, ISSN 1580-2949 |
| 6. | Milojević Z., Vićević M., Zeljković M., Navalušić S.: Methodology of the bone tissue diagnostic images processing, Academic Journal of Manufacturing Engineering – AJME, 2012, Vol. 10, No 3, pp. 63-70, ISSN 1583-7904 |
| 7. | Milojević Z., Navalušić S., Zeljković M., Vićević M., Beju L.: Haptic interaction program systems development as a part of virtual environment, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904 |
| 8. | Tabaković S., Živković A., Grujić J., Zeljković M.: Using CAD/CAE software systems in the design process of modular, revision total hip endoprosthesis, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 97-102, ISSN 1583-7904 |
| 9. | Živković A., Zeljković M., Tabaković S.: Matematical Model for the Roller Bearing Life Determination, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 3/2010, pp. 108-115, ISSN 1583-7904 |
| 10. | Čiča Đ., Zeljković M., Lakić-Globočki G., Sredanović B., Borojević S.: Identification of contact parameters of spindle-holder-tool assembly using artification neural networks, 11. International Scientific Conference "Advanced Production Technologies" - MMA, Novi Sad: Fakultet tehničkih nauka, 20-21 Septembar, 2012, pp. 57-60, ISBN 978-86-7892-419-4 |


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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 22 | | | |
| Total of SCI(SSCI) list papers : | 6 | | | |
| Current projects : | Domestic : | 1 | International : | 0 |

Science, arts and professional qualifications

| | |
|---|---|
| Name and last name: | Zuković M. Miodrag |
| Academic title: | Assistant Professor |
| Name of the institution where the teacher works full time and starting date: | Faculty of Technical Sciences - Novi Sad |
| | 01.12.1995 |
| Scientific or art field: | Mechanics |

| Academic carieer | Year | Institution | Field |
|---|---|---|---|
| Academic title election: | 2009 | Faculty of Technical Sciences - Novi Sad | Mechanics |
| PhD thesis | 2008 | Faculty of Technical Sciences - Novi Sad | Mechanics |
| Magister thesis | 2000 | Faculty of Technical Sciences - Novi Sad | Mechanics |
| Bachelor's thesis | 1994 | Faculty of Technical Sciences - Novi Sad | Mechanics |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 1. | IAKI01 | Selected Chapters in Kinematics | ( F10) Engineering Animation, Undergraduate Academic Studies |
| 2. | M103 | Mechanics 1 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 3. | M107 | Mechanics 2 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 4. | M201 | Mechanics 3 | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M30) Energy and Process Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 5. | M2411 | Theory of Oscillation | ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies<br>( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies<br>( P00) Production Engineering, Undergraduate Academic Studies |
| 6. | M4301 | Computer Methods in Mechanics | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |
| 7. | Z108 | Fundamentals of Mechanics | ( Z01) Safety at Work, Undergraduate Academic Studies<br>( ZC0) Clean Energy Technologies, Undergraduate Academic Studies<br>(Z20) Environmental Engineering, Undergraduate Academic Studies |
| 8. | BMI127 | Biomechanics | ( BM0) Biomedical Engineering, Undergraduate Academic Studies<br>(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies |
| 9. | M44061 | Optimization of mechanical systems | ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies |

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

| | ID | Course name | Study programme name, study type |
|---|---|---|---|
| 10. | BMIM4A | Transport phenomena and Living systems | ( BM0) Biomedical Engineering, Master Academic Studies |
| 11. | M45021 | Computer Methods in Mechanics 2 | ( M40) Technical Mechanics and Technical Design, Master Academic Studies |
| 12. | DTM01 | Computer Methods in kinematics and dynamics of mechanical systems | ( M40) Technical Mechanics, Doctoral Academic Studies |

Representative refferences (minimum 5, not more than 10)

| | |
|---|---|
| 1. | Zukovic, M. and Cveticanin, L.: Chaotic Responses in a Stable Duffing System of Non-ideal Type, Journal of Vibration and Control, 2007, Vol. 13, No. 6, str. 751- 767, ISSN 10775463. |
| 2. | Zukovic,M., Cveticanin,L., Chaos in non-ideal mechanical system with clearance, Journal of Vibration and Control , 15(8): 1229–1246, 2009 |
| 3. | Miodrag Zuković, TORZIONE PARAMETARSKE OSCILACIJE CILINDRIČNOG ZUPČASTOG PARA SA EVOLVENTNIM OZUBLJENJEM, Magistarska teza, Novi Sad, 2000. |
| 4. | Zuković,M., NELINEARNE TORZIONE OSCILACIJE U ZUPČASTIM PRENOSNICIMA, VII Međunarodna konferencija fleksibilne tehnologije MMA 2000, Novi Sad, 08.juna 2000. |
| 5. | Zuković, M., Radomirović, D. Kuzmanović, S.: Analiza uticaja rasporeda zupčanika na dinamiku dvostepenog reduktora, Drugi skup o konstruisanju, oblikovanju i dizajnu KOD 2002, Novi Kneževac, Maj 2002, str. 141-144. |
| 6. | Radomirović, D., Zuković. M., Gligorić, Radojka: Uticaj ubrzanja, nagiba i mase prikolice na kretanje traktora, Traktori i pogonske mašine, Vol.7, No.4, Novi Sad, Decembar, 2002, str.57-61. |
| 7. | Zuković, M., Radomirović, D. Rakarić, Z.: Nelinearne oscilacije u mehaničkim sistemima sa zazorom, VIII MEĐUNARODNA KONFERENCIJA FLEKSIBILNE TEHNOLOGIJE, MMA 2003., Novi Sad, Srbija i Crna Gora, 26-27. Jun 2003. |
| 8. | Radomirović, D., Maretić, R., Zuković. M.,: UNUTRAŠNJE KOORDINATE RAVANSKIH KRIVIH U MEHANICI, Letopis naučnih radova, Godina 27(2003), broj 1, strana 119-127 |
| 9. | Radomirović, D., Gligorić, Radojka, Zuković. M.,: Kretanje traktora sa jednoosovinskom prikolicom, Traktori i pogonske mašine, Vol.8, No.4, Novi Sad, Novembar, 2003, str.124-129. |
| 10. | M. Zuković and Z. Rakarić : Steady state vibration of mechanical system with electric motor and nonlinear spring, Book of Abstracts, The First International Conference on COMPUTATION MECHANICS, Belgrade (CM'04), Serbia and Montenegro, November, 15-17, 2004., 31 |

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

| | | | | |
|---|---|---|---|---|
| Quotation total : | 0 | | | |
| Total of SCI(SSCI) list papers : | 7 | | | |
| Current projects : | Domestic : | 1 | International : | 0 |

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 Occupational Safety Engineering 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 Occupational Safety Engineering. 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.