GRAPHIC ENGINEERING AND DESIGN

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

2012.

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Programme name	Graphic Engineering and Design
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Interdisciplinary
Scientific, proffesional or art field	Graphic Engineering and Design: Technical Sciences; Art
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	240
Academic degree, abbreviation	Bachelor with Honours in Graphic Engineering and Design, B.Graph.Eng.Des.
Study length	4
Programme implementation starting year	2006
Future course implementation starting year (for new programme)	
Number of students attending this programme	322
Planned number of students to be enrolled in this programme	360
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2009
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00. Introduction

The study program of the Undergraduate Studies in Graphic Engineering and Design is accredited within the interdisciplinary field of technical and technological sciences, art in the areas of technical and technological sciences, fine arts and applied arts and design. Studies of this program, which earlier never existed in this form, are accredited as a unique in our state and the region. After the breakup of former Yugoslavia, where the Zagreb was the only center for high education in the field of graphic engineering, Serbia as the state remained without any institution for educating highly skilled professionals in extremely important branch of industry, the graphic industry. Graphic industry is extremely important for all industries because it presents and promotes them through the design and creation of what is inevitable follower of every product - package, prints and print media, contemporary electronic media, as well as the multimedia. Today, our daily life is almost unthinkable without the products of graphic industry, what gives it a special significance. Graphic industry is extremely important part of the industry in every developed country and according to a profit it belongs to the most profitable branches. The development of the graphic industry certainly demands highly educated experts. Graphic industry has exceptional pace of technological change, particularly with the use of modern software and computer systems that were developed to fulfil the needs of this industry. Today, these systems are regarded as highly sophisticated technologies. In order to manage these systems, highly trained staff is required. For this purpose in 1999 the study program of Graphic Engineering and Design was formed. In a very short time it brought a lot of attention and interest in studying. The study program is formed regarding the modern techniques, new alteration dynamics, new living conditions and new technologies that have changed the world of communication and the way of living. Educational structure of the study program is designed to meet the demands and needs of a very important industry - the graphic industry. Graphic industry, as a side branch of almost all industries, is a representative of the product of these industries. Its role is particularly important. With this on mind study program of Graphic Engineering and Design was formed.

Due to the well-designed curriculum, hiring of the renowned professors from different fields, working on the most modern equipment within the department's laboratory, which is the most modern in the South Eastern Europe, department became a leader of high education in the region. Plans and programs of the Graphic Engineering and Design have been formed regarding the model of the prestigious European universities in this field, by taking into account the possibilities and activities related to the contemporary education. Study program of the Undergraduate Studies in Graphic Engineering and Design is intended to allow students to acquire the necessary knowledge that will, at the end of the studies, enable them to be included in the printing industry production processes of small, medium-sized businesses and also the large companies both within the country and abroad. For this inclusion sufficient foundation of theoretical and practical knowledge exists within the Undergraduate studies. Therefore, a large part of the courses in the lower years of a study are designed to provide the necessary knowledge in general education and theoretical basis that will help understanding the graphic engineering, management of complex graphical systems based on the principles of physics, mathematics, electrical engineering, computer science and engineering. Higher years are primarily intended for the specialized courses which should provide technical and applied knowledge in narrow areas of interest within the graphics industry. During the studies, especially within the specialized courses, independent work is highly appreciated, encouraging participation in specific technical and development projects in the laboratories, where focus is place on developing problem-solving skills. New modern laboratory was established in collaboration with leading global companies: KBA, Horizon, Perfecta, BASF, Flint Group, Xerox ...

Through a number of different activities, along with the necessary theoretical and practical knowledge, the sense of personal security and fulfilment is obtained, required for successful integration into the professional environment.

With its own dynamics of development, especially in the growth of the laboratory capacities, this educational profile had become one of the most important in this region. With good cooperation that is established with educational institutions and manufacturers of Germany, as a leading force in the printing industry, the ranking of this educational profile is significantly raised.

The wide area covered by the study program and the clear need to conduct the higher education in the areas of interest, leaded to many elective courses in higher years of study, while maintaining the interdisciplinarity within the required courses.

Undergraduate Studies are created without majoring into study groups in order to create a powerful profile, which can be included in different areas of graphic profession and further training. Undergraduate Academic Studies are formed to last for four academic years.

Standard 01. Programme Structure

The study program of the Undergraduate Studies in Graphic Engineering and Design is structured within one study group. This concept has been adopted in order to create quality and fundamentally strong educational profile, able to be easily engaged in production engineering and creative processes. With the acquired level of knowledge students can also be included into the various forms of development and improvement. After the completion of Undergraduate Studies, students can be involved in further study processes on Specialist and Master Studies. The structure of the study program consists of general academic courses, followed by scientific-professional, applied, theoretical, methodological and artistic courses. Relation between the groups of courses is well balanced, so that the outcome is getting quality educated engineering profile with the necessary skills and wide acquired knowledge.

Mastering the study program is conducted through teaching that consists of lectures and exercises. Part of the exercises is performed by practical engagement in the graphic industry companies. Lectures are maintained in a contemporary way with the use of appropriate didactic materials and modern literature. The practical exercises are conducted in modern computer labs and classrooms within the laboratory of Graphic Engineering and Design, and also by using the most contemporary equipment installed in the laboratory of Graphic Engineering and Design. Exercises are performed as auditory, laboratory, computational, graphics and computer oriented. The goal of the exercises is to further elaborate the material that was presented on the lectures and to acquire more practical knowledge. For the purpose of practical exercises there are workbooks for each course, which are well metodologicaly designed in order for student to learn and master the course throug the practical application. Each exercise is defined through the goal, necessary level of theoretical knowledge, training methodology, analysis and the discussion of the obtained results. The size of the group of students engaged in each exercise is defined according to the type of practical work. Student obligations on exercises may contain writing of seminar papers and homework, project assignments, semester and graphic works, while every student activity during the teaching process is monitored and evaluated by defined, accredited rules. Envisaged liabilities are graded by the number of points earned, in accordance with the unique methodology defined by the statute of the faculty.

Each course carries a certain number of ECTS, while the entire study is considered complete when a student fulfill all obligations defined by the program of Undergraduate Studies, finish the thesis and thereby collect a minimum of 240 ECTS.

The name of the Undergraduate Study program is Graphic Engineering and Design. Academic title acquired is the Bachelor with Honours in Graphic Engineering and Design. The outcome of the learning process is the knowledge that student obtain through the use of the professional literature, which enables the application of acquired knowledge, solving the problems that arise in the field and providing the possibility for further studies.

Requirements for enrolling the program of the Undergraduate Studies in Graphic Engineering and Design are completed four-year-long secondary school and passed the entrance exam. The entrance exam consists of two parts: mathematics (carrying a maximum of 30 points) and test of the preferences (carrying a maximum of 30 points), which gives the maximum of 60 points. The entrance exam is considered passed if the candidate obtains the minimum of 14 points.

Standard 02. Programme Objectives

The purpose of the study program of the Undergraduate Studies is to educate students for the profession of Bachelor of Graphic Engineering and Design in accordance with the needs of the printing industry and the wider economy and society, which have it own interest in graphic industry. These needs are specially regarded to the graphic industry, which is, in highly developed countries, industry branch with high profits contributing to the development of other industries and country in general. Graphic industry is of great importance for all industries and special purpose of education is focused on quality and the application of knowledge for the development of graphic industry. Study program of the Undergraduate Studies in Graphic Engineering and Design is created to ensure the acquisition of competencies that are socially justified, essential for economic development and useful with a high degree of applied knowledge.
Faculty of Technical Sciences had defined the aims and goals of education for highly competent personnel in the areas of technology. These goals had been implemented in this educational profile. The purpose of the study program of the Undergraduate Studies in Graphic Engineering and Design is fully consistent with the basic objectives and tasks defined by the Faculty of Technical Sciences.
By fulfilling the study program formed in this manner, Bachelors of Graphic Engineering and Design are being educated, obtaining the high degree of competence in Europe and in the world. This is confirmed by enrolling the Bachelors of Graphic Engineering and Design into the Master Studies at many foreign universities.

Standard 03. Programme Goals

The main objective of the study program is the achievement of competencies and academic skills in the areas of graphic engineering and design. This goal is fulfilled through secondary objectives that include:
Acquiring the interdisciplinary knowledge by mastering the general courses, courses related to the basic knowledge of the graphic profession, art subjects, design, computer science and management subjects.
Practical knowledge. Obtaining the necessary knowledge for the formulation of projects and problems, together with the plans to address them by using various technical and artistic knowledge and skills. This, among other things, leads to evolvement of creative abilities for approaching the problem and critical thinking with rational decisions.
Communication and the teamwork. Obtaining the necessary knowledge to actively use at least one foreign language in order to solve technical problems, together with the development of the ability to present results to the professional and the general public, as well as developing skills for working within the team.
Preparation for further studies. Obtaining the necessary knowledge as a base for further education through the Master, Specialist and the Doctoral Studies. One of the specific objectives, consistent with the goals for educating the experts at the Faculty of Technical Sciences is to raise the students' awareness of the need for permanent education, the development of the society and the environment.
Preparations for professional engagement. Obtaining the necessary knowledge and the awareness of a wide range of problems and responsibilities that can occur in the professional practice: safety, ethics, ecology and economy.
One of the goals is also the leadership in the quality of the education especially within the countries of South Eastern Europe, which was proven in competitions within the various fields in the previous accreditation period.

Standard 04. Graduates` Competencies

Graduated students of the Undergraduate Academic Studies in Graphic Engineering and Design are competent to deal with the real problems in practical work and to continue their education if they choose to do so. Competencies include, above all, the development of the skills for critical thinking in the field of engineering, ability to analyze problems, to synthesize the solutions, and to predict the behavior of the chosen solution with the clear idea of its advantages and the drawbacks.
When it comes to specific capabilities of students, by mastering the study program of Graphic Engineering and Design student receives a fundamental knowledge and understanding of the relevant disciplines and fields, as well as the ability to solve practical problems using engineering methods and procedures. Regarding the interdisciplinary nature of a study program, the ability to relate basic knowledge in various fields and practical application is especially important. Graduated students of Graphic Engineering and Design are able to properly write and present the results of their work. During the studies, due to the nature of the profession, modern computer and software systems are extensively used.
Graduated student from this level of study are competent to use their knowledge in practical application, to follow and implement the innovation in the profession, and also to cooperate with local and international social environment.
Students are qualified to design, organize and manage production. During the studies student gains the competency and the independence. Bachelors of Graphic Engineering and Design during their studies obtain the knowledge on how to economically utilize natural resources of the Republic of Serbia in accordance with the principles of sustainable development.
Special attention is placed on the development of professional ethics and skills necessary for the efficient working within the team. Competences of Bachelor students are of special importance for graphic industry, allowing them to be included into the following activities:

- manufacturing the paper and paperboard intended for further industrial processing, manufacturing the pulp, paper and paper products, cardboard and paperboard
- calendering, coating and impregnating the paper and paperboard
- producing creped and pleated paper
- manufacturing of corrugated paper and paperboard
- manufacturing of corrugated paper and paperboard packaging
- manufacturing of paper and paperboard packaging
- production of folding cardboard packaging
- manufacturing of solid board packaging
- manufacturing of paper sacks and bags
- producing office products
- producing paper products for household and personal use and products of cellulose wadding, producing the slips, tissues, towels and napkins, toilet paper, sanitary napkins and tampons, diapers and baby diaper tape, cups, bowls, trays and others.
- paper converting
- producing the paper for printing and writing, ready for use
- producing paper for computer printing
- manufacturing of self-copy paper, ready for use
- manufacturing of duplicator stencils and carbon paper
- manufacturing of gummed or adhesive paper, ready for use
- producing the envelopes and postcards
- manufacturing the boxes, bags, notebooks and stationery related products
- manufacturing of wallpaper and similar paper products, including vinyl-coated wallpaper
- manufacturing the textile wallpapers
- manufacturing the labels (stickers)
- producing the filter - paper and cardboard
- producing the coils and other elements for winding of paper and paperboard
- manufacturing the boxes and other packaging products made of pressed cardboard.
- publishing, printing and reproducing the recorded media (books, brochures, musical books and other publications)
- publishing the newspapers (dailies and periodicals) printed on a newsprint paper, including the advertisements
- journals and periodicals publishing
- publishing compact discs with music and other audio recordings
- producing the photos, engravings and postcards

• producing the schedules etc.
• producing the forms
• producing the posters and reproductions of works of art
• producing other printed materials such as postcards reproduced by mechanical or photo – mechanical processes
• micropublishing etc.
• reproducing from master software and data copies on discs and tapes.

Additional activities include understanding the graphic machines and components integrated in these complex systems, understanding the process of making art products with the realization through the engineering approach, development and production of computer games, computer games design, design of characters and movement, development of the electronic multimedia systems, industrial design of printing industry products, web site design, digital printing, effective advertising, development of software application for colour management, graphic packaging design, programming, graphics applications, software development, typographical solutions development.

This is just one part of much wider lists of activities in which the Bachelors of Graphic Engineering and Design can be included due to their competency.

Standard 05. Curriculum

The curriculum of the Undergraduate Academic Studies in Graphic Engineering and Design is made to meet the set goals. The structure of the study program provided about 15% of academic and general courses, about 20% of theoretical and methodological, about 35% of the scientific-technical and 30% of professional and applied courses. The demand that elective courses should be represented with 20% of all the ECTS credits is also fulfilled. In addition, courses within the studies can be divided into the following groups:
- a group of general courses
- a group of professional courses
- a group of art courses
- a group of design courses
- a group of courses that deal with large number of professional graphic softwares and
- a group of management courses.

All courses last one semester and carry an adequate number of ECTS credits. From the last accreditation period the students' engagement is lowered by reducing the number of classes from 60 to 52 and less. This will raise their quality of coping with the demands. The order of courses within the study program is also improved regarding the previous accreditation period, in order that the basic knowledge required for some courses is obtained in the previously mastered ones.

Within the curriculum each course is described through its name, type, year and semester of studies, number of ECTS credits it carries, professor's name, the aim with the desired outcomes, knowledge and competencies, prerequisites for attending the course, course content, suggested literature, teaching methods, method of assessment and evaluation, and other data. The study program is compliant with the European standards in terms of admission requirements, length of study, conditions for passing to the next year, graduation and study methods.

An integral part of the Undergraduate Studies in Graphic Engineering and Design curriculum is professional practice and practical work in a period of 60 hours, which is fulfilled within the respective companies, scientific research institutions, organizations for innovating activities, organizations for providing infrastructural support for innovations, concerns and public institutions.

A student completes the studies by writing the final thesis, which consists of theoretical and methodological preparation necessary for in-depth understanding the field of interest, and the development of the creative work itself.

Prior the thesis presentation, the candidate had to elaborate the theoretical and methodological basis in front of his mentor. The final grade is derived from the grade in theoretical and methodological preparation, thesis creation and presentation. Final thesis is presented under the committee formed in accordance to the system of quality and general faculty norms.

It is important to note that this curriculum has been, with minor changes, successively implemented from 2002/2003 and that it was successively fulfilled in the first accreditation period.

Table 5.2 Course specification

Course:		Mathematics
Course id:	F101	
Number of ECTS:	8	
Teacher:		Kostić Z. Marko
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire basic knowledge in the field of algebra and mathematical analysis. To develop abstract thinking and analytical approach to problems. To enable students to link and apply the acquired knowledge in other general and professional courses.

2. Educational outcomes (acquired knowledge):

Student is taught to apply mathematical models presented within the course. Student is ready to utilize the acquired knowledge in professional courses and further education, as well as in practice.

3. Course content/structure:

Complex numbers. Determinants and systems of linear equations (Cramer`s rule and Gauss algorithm). Vector algebra and analytical geometry in space R3 (line and plane). Polynomials (polynomial zeros, factoration in the set of real and complex numbers, rational functions). Sequences (gathering points, limit values, convergence and divergence). Real functions of a variable (limit values and continuum). Differential calculation (derivatives, higher order derivatives and application). Integral calculation (indefinite and definite integrals). Application of integral calculations.

4. Teaching methods:

Lectures. Auditory and computing practice. Individual consultations. Homework. In lectures, theoretical content is presented with characteristic examples to illustrate and simplify the lecturing content. In practice, which are synchronized with lectures, characteristic tasks are done in a wider range and the content presented in lectures is deepened. Apart from lectures and practice, individual consultations are held regularly, or consultations in small groups. Homework is provided after each taught lesson. A part of the content, making a larger logical unit, can be passed during the teaching process in the form of 2 modules: the first module is algebra content, and the second module is mathematical analysis content.

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	40.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	30.00
Test	Yes	10.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	N. Adžić	Matematika za arhitekturu	Stylos	2001
2,	N. Adžić i drugi:	Zbirka rešenih zadataka iz Matematike za arhitekturu		1999
3,	J. Nikić, L.Čomić	Matematika I	Stylos	2002
4,	T. Grbić, S. Likavec. T. Lukić, J. Pantović i dr.	Zbirka rešenih zadataka iz Matematike jedan	FTN Novi Sad	2004
5,	S. Gilezan	Izvod iz predavanja iz Matematike	http://imft.ftn.ns.ac.yu/~silvia	2007

Table 5.2 Course specification

Course:		Chemistry in Graphic Engineering
Course id:	F103	
Number of ECTS:	6	
Teachers:		Kiurski S. Jelena, Prica Đ. Miljana
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 basic knowledge in selected chapters in chemistry which are important for graphic engineering.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used as basics for understanding fundamentals of physical – chemical processes in further education of graphic profession.

3. Course content/structure:

The course includes basic notions and chemical laws, structure of solid substances, nature of gasses and liquids, structure of atoms, chemical connections and structure of molecules, oxides, acids, bases and salts, chemical reactions, thermo-chemistry, fundamentals in electro-chemistry, surface appearances, colloid systems, photochemistry, fundamentals in organic chemistry, chemical structure of polymerials, chemical content and basic properties of printing colours, chemical content of glues.

4. Teaching methods:

Active participation of teachers and students in classes with modern didactic devices, laboratory work in small groups with the use of experimental techniques and calculations from selected areas of chemistry relevant to the field of printing. In addition to lectures and experimental exercises consultations are regularly held.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Kiurski, J., Prica, M., Fišl, J.	Hemija u grafičkom inženjerstvu – praktikum, II izdanje	FTN izdavaštvo, Fakultet tehničkih nauka Novi Sad	2007
2,	Jelena Kiurski	Hemija u grafičkom inženjerstvu, osnovni udžbenik	FTN Izdavaštvo, Novi Sad	2009

Table 5.2 Course specification

Course:		Graphic applications
Course id:	F114	
Number of ECTS:	6	
Teachers:		Govedarica J. Miro, Karlović Đ. Igor, Kašiković D. Nemanja, Novaković M. Dragoljub
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring of new theoretical and practical knowledge from information technology and their implementation in graphic arts production.

2. Educational outcomes (acquired knowledge):

Students will learn to use modern graphic applications and acquire knowledge about basic Internet services and computer networks.

3. Course content/structure:

Concept of graphic software tools, Software applications for text processing, Software applications for drawing, Vector and raster graphics, Application softwares, Information, data, data processing and representation, Algorithm, Basic infrastructure and logic of computational system, Operation systems and their usage, Introduction into computer networks and the techniques of using computer networks, Internet services and application techniques, Concept of program system and computer application

4. Teaching methods:

The teaching is conducted with contemporary educational methods and techniques, with interactive teaching in computer and laboratory classes. In the lectures theoretical part of the teaching material is complemented with examples and simulations for easier understanding of the material. The computer classes are organized to add to student computer abilities in graphic technology and in laboratory classes these knowledge is applied on laboratory equipment. Beside lectures and laboratory classes consultations are held regularly.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Klem N.	Uvod u primenu računara	Građevinska knjiga, Beograd	2007
2,	Luković I, Stefanović D, Rakić M, Stefanović N	Osnove računarskih tehnologija i programiranje, priručnik za vežbe	Symbol, Novi Sad	2002
3,	Obradović D.	Osnovi računarstva	Stylos - FTN Novi Sad	1996

Table 5.2 Course specification

Course:		Art and Culture
Course id:	F112	
Number of ECTS:	6	
Teacher:		Jureša P. Goran
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge about art and its achievements through historical periods in chronological order. Impact that certain human knowledge, learned through the artistic process, had the complete life of man. Implementation ideas into art, and sharing art and the time in which it arises.

2. Educational outcomes (acquired knowledge):

Subject trains students what is art with the help of periods and styles that make up this term.
Student learns about constant variability goals of art over time and the importance of the legacy of certain periods of art in our time. Through architecture, sculpture and painting student acquires knowledge about the scope of the artistic process.Student learn how things stand in the art of one another and are encouraged to understand the artist's own judgment of intent.

3. Course content/structure:

1.Prehistoric art 2.Egypt 3.Mesopotamia 4.Ancient Greece 5.Roman Empire 6. Byzantine 7.Romanesque 8.Gothic 9.Renaissance 10.Baroque 11.Neoclassicism 12.Romantic
13.Realism 14.Impressionism 15.postimpressionism 16.Secession 17.Dadaism, Russian Constructivism, Bauhaus 18. Modernism / Postmodernism

4. Teaching methods:

Lectures and exercises

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	E.H.Gombrih	Saga o umetnosti-umetnost i njena istorija	Laguna	2005
2,	Lazar Trifunović	Slikarski pravci XX. veka	Prosveta	1994
3,	H.W.Janson	Istorija umetnosti	Jugoslavija	1966

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:	Graphic Materials
Course id: F106	
Number of ECTS: 8	
Teacher:	Prica Đ. Miljana
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Training students to think abstractly and acquire basic and practical knowledge in the field.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in the profession, in the individual work, and in further education.

3. Course content/structure:

Materials in graphic environment – classification, basic terms, crystal and micro structure, physical and chemical properties. Paper. Production of paper, cardboard, paperboard: obtaining raw materials, preparing paper mass, producing paper, classifying paper and cardboard, researching methods. Supplementary materials for the production of paper, cardboard and paperboard – fillings, sizing agents, and colorants. Paper improvements – impregnation, coating and varnishing. Dyeing paper, cardboard and paperboard. The most important properties of paper, cardboard, paperboard and research. Surface properties – smoothness, dust, hardness (plucking resistance). Optical properties of paper – whiteness, transparency, opacity, shininess and colour. Chemical properties – pH and determining the filling content. Printing inks: types, content, role of components and printing properties. Relation colour – substrate and classification of printing inks according to purpose. Production and investigation methods of general properties significant for the application in the printing industry. Glues in printing industry and methods of investigating their properties. Polymeric materials in graphic engineering: application, modelling and researching the basic properties. Packaging materials. Textile: characteristics, physical and chemical properties, dyeing. Bookbinder`s board. Leather as a graphic material – leather covering. Ceramics as a graphic material: application, modelling, dyeing and investigating the basic properties. Rubber as a graphic material: application, modelling and investigating the basic properties.

4. Teaching methods:

Teaching is held interactively as lectures and laboratory practice. During lectures, the theoretical part of the teaching content is presented and supplemented by characteristic examples for better understanding. During laboratory practice, the obtained knowledge is practically applied on the available laboratory equipment. Apart from lectures and practice, consultations are held regularly.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Laboratory exercise defence	Yes	20.00			
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,	Gerić, K	Grafički materijali, skripta (u pripremi za štampu)	FTN Grafičko inženjerstvo i dizajn	2011
2,	Kipphan, H.	Handbook of Print Media	Springer	2001
3,	Novak, G.	Grafični materiali	Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, Ljubljana	2004
4,	Novaković, D.	Uvod u grafičke tehnologije	FTN, Grafičko inženjerstvo i dizajn	2006
5,	Gerić, K., Prica, M., Milošević, R.	Grafički materijali, Praktikum za vežbe (u pripremi za štampu)	FTN	2012
6,	Krgović, M. Perviz, O.	Grafički materijali	Tehnološko-metalurški fakultet, Beograd	2005
7,	Krgović, M., Ošap, D., Konstatinović, V., Perviz, O., Uskoković, P.	Ispitivanje grafičkih materijala	Tehnološko-metalurški fakultet, Beograd	2006

Table 5.2 Course specification

Course:		Physics
Course id:	F102	
Number of ECTS:	6	
Teacher:		Vučinić-Vasić T. Milica
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:

To enable students for abstract thinking and acquiring basic knowledge in the field of Physics.

2. Educational outcomes (acquired knowledge):

Acquired knowledge in fundamentals of Physics is necessary for the profession.

3. Course content/structure:

Basics in electrostatics. Electrical field and potentials. Conductors and dielectrics in the electric field. Electric currents. Contemporary theory on electric conductivity. Half conductors. Electromagnetism. Magnetic field of power. Electromagnetic induction. Energy of the magnetic field. Alternating currents. Magnetic field in materials. Diamagnetism, paramagnetism, ferromagnetism. Wave motion and acoustics. Sound. Doppler effect. Strength and the level of strength of sound. Sound absorption. Ultrasound. Optics. Geometric optics. Real optic systems. Regular reflection. Reflection and refraction on plane and spherical surfaces. Optical instruments. Wave optics. Polarization. Colours. Spectro-photogrammetry. Colour diagrams. Doppler effect with light. Light dualism. Heat radiation. Black body and Planck`s law. Photometry. Photo-effect. Stimulated emission. Lasers.

4. Teaching methods:

Presentation of the course content with the application of contemporary didactic means. Laboratory practice. Consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Laboratory exercise defence	Yes	20.00	Coloquium exam	Yes	20.00
Lecture attendance	Yes	5.00	Coloquium exam	Yes	20.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Budimski-Petković Lj. Vučinić-Vasić M, Ilić D	Praktikum laboratorijskih vežbi i? fizike	Fakultet tehničkih nauka	2003
2,	Petrović A.	Fizika, osnovi primenjene fizike	Univerzitet u Novom Sadu Fakultet Tehničkih Nauka	2007
3,	Vučinić-Vasić M. Čirič D., Škrbić T.,Đurić M.	Zbirka zadataka iz fizike	Univerzitet u Novom Sadu Fakultet Tehničkih Nauka	2005

Table 5.2 Course specification

Course:	Sociology of Culture
Course id: F108	
Number of ECTS: 4	
Teachers:	Ivanišević V. Andrea, Radivojević D. Radoš
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The ability of Graphic Engineers to understand social significance, the role, function and characteristics of culture in modern society in order to efficiently deal with graphic design.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge on the characteristics, significance and social functions of culture. Acquiring knowledge on the communication and communication forms. Acquiring knowledge on the characteristics of modern and postmodern culture and art. Acquiring knowledge on the importance and role of graphic design in modern world aestheticism.

3. Course content/structure:

Notion and elements of culture: notion of culture; culture and society; culture and civilization; values, needs and normative; culture and morality; culture and religion; material and spiritual culture; subculture and counterculture; culture and science; culture and ideology; culture and identity. Culture and communication: notion of communication; forms of communication: verbal, non-verbal, interpersonal, rumour and mass communication; speech patterns; managing the impression on oneself; graphic communication. Media and society: mass media; theories on media; media imperialism and cultural hegemony; media influence on society. Society and culture: mass society; mass culture; culture industry; globalization and culture; cultural pluralism; interculturality. Sociology of art: notion of art; market and value; art and kitsch; art (culture) and violence. Culture as a mode of life – fashion, image, idolatry. Modern and postmodern culture: differentiation, rationalisation and commoditisation of modern culture; hipercommoditisation, hiperrationalisation and hiperdifferentiation as characteristics of postmodern culture. Graphic design and modern society: design ideology; aesthetics of goods production; design as creation and management of aesthetic feelings; aesthetics in modern society.

4. Teaching methods:

Teaching is held in the form of lectures and with student`s participations in discussions on the presented problems, as well as in elaborating seminar papers, defending seminar papers during the practice and student`s discussions on the seminar papers` issues.

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
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Daglas Kelner	Medijska kultura	Plato	2005
2,	Dragan Koković	Pukotine kulture	Prometej	2002
3,	Miroljub Radojković, M. Maletić	Komuniciranje, mediji i društvo	Stylos	2005
4,	Dejvid Mek Kvin	Televizija	Clio	2000
5,	Edgar Moren	Duh vremena	XX vek	1979
6,	Rut Benedikt	Obrasci kulture	Beograd	1976
7,	Majkl Haralambos	Uvod u sociologiju	Golden marketing	2002
8,	Jacobs Mark and Nancy Weiss Hanrahan	The Blackwell Companion to the Sociology of Culture	Blackwell Publishing	2005
9,	David Holmes	Communication Theory	Sage Publications	2005
10,	Marshall McLuhan	Razumijevanje medija	Golden marketing Tehnička knjiga	2008
11,	Lyn Spillman	Cultural Sociology	Blackwell Publishers Inc	2002

Table 5.2 Course specification

Course:		Visual Culture
Course id:	F111	
Number of ECTS:	6	
Teacher:		Jureša P. Goran
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 to basic elements of graphic tradition and art and graphic theory in order to make students capable of acquiring new knowledge and experience from the wide range of topics in graphic design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further education for the group of courses related to graphic design.

3. Course content/structure:

The notion of visual culture, ideas on form comprehension, shape of amorphous form, emancipated forms, archetype forms by the shaped gender, four basic paleo-communication forms, symbolic archetype forms – circle, square, cross, centroid; colour in visual culture, understanding space in visual culture, visual space identification, notion of illusion in two-dimensional presentation, composition, space scenery, contemporary understanding of form, notion of face in visual culture, logics in de-objectifying the exterior and interior, symbolism of vertical, horizontal and diagonal; golden cross-section as space determinant, spiral, order, range, balance, symmetry and asymmetry, new aspects of illusion – technical and monitor image.

4. Teaching methods:

Lectures, Computer (C) Practice, Consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Per Mollerup	Marks of Excellence	Phaidon	2004
2,	Phil Baines	Penguin by design	Penguin	2005
3,	Slobodan Nedeljković, Miodrag Nedeljković	Grafičko oblikovanje i pismo	Zavod za udžbenike i nastavna sredstva, Beograd	1988
4,	Kosta Bogdanović	Poetika vizuelnog	Zavod za udžbenike i nastavna sredstva, Beograd	2005
5,	Leah Bendavid Val	U fokusu	Klett Beograd	2004
6,	Kosta Bogdanović	Uvod u vizuelnu kulturu	Zavod za udžbenike i nastavna sredstva, Beograd	2005

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:	Technical Mechanics
Course id: F107	
Number of ECTS: 6	
Teachers:	Glavardanov B. Valentin, Kovačić N. Ivana
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

1. Educational goal:

As one of the fundamental engineering course, it has the aim of developing abstract thinking, as well as acquiring basic knowledge in the filed of mechanics of rigid and deformable bodies.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further education and in the professional courses.

3. Course content/structure:

Mechanical motions and immovability. Space and time. Force as a measure of mechanical action. Couple as a measure of mechanical action. Couples. Static axioms. Dividing force onto two components. Force reflection. Summing two intersecting forces. Summing two parallel forces. Theorem on three unparallel forces. Facing system force-balance. Summing couples. Plane system of forces and couples – balance. Varignon`s Theorem. Balance of the plane system of rigid bodies. Sliding friction. Centre of the joint system of parallel forces. Centroid. Force intersection. Hypotheses on mechanics of materials. Cauchy-Euler Axiom. Stress vector. Normal and tangential stresses. Axially loaded rods. Statically undetermined tasks with axially loaded rods. Shearing. Geometric properties of flat surfaces. Bending with rods with circular and circular-ring cross sections. Statically undetermined tasks in bending. Beam bending. Linear differential equation of the elastic line. Dot kinematics. Speed and acceleration in Cartesian and natural coordinate system. Dot motion on the circle. Dot motion classification. Projectile motion. Translatory motion of a rigid body. Rigid body spinning around fixed axes. Plane motion of a rigid body. Complex dot motion. Determination principle. Newton`s law on dynamics. Force structure. Two tasks of dynamics. Differential equations on the material point motion in Cartesian and natural coordinate system. Free dot oscillations. Forced dot oscillations. Kinetic energy of a material dot. Force actions. Potential energy. Theorem on the alteration of kinetic energy of a material dot. Law on maintaining the total mechanic energy.

4. Teaching methods:

Teaching methods include lectures, computing practice, computer practice and consultations. Lectures are conducted by using presentations and animations. During the classes, apart from theoretical presentation of content, characteristic examples are also presented. Computing practice supplement lectures by completing tasks and deepening the practical knowledge from certain areas. Computer practice is held in order to visualize learnt concepts in mechanics and its models, compare simulation data to theoretical results, test hypotheses and investigate “what if” scenarios. Teaching content can be passed during the teaching process in the form of four modules: Statics, Mechanics of materials, Kinematics and Dynamics.

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,	Đ. Đukić, T. Atanacković, L.Cvetićanin	Mehanika	Fakultet tehničkih nauka, Novi Sad	2003
2,	I. Kovačić, Z. Rakarić	Zbirka zadataka iz Statike I	FTN, Novi Sad, Edicija Tehničke nauke-Udžbenici	2006
3,	J. L. Meriam, L.G. Kraige	Engineering Mechanics STATICS	John Willey&Sons	2003
4,	J. L. Meriam, L.G. Kraige	Engineering Mechanics DYNAMICS		2003

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:	Marketing and Entrepreneurship
Course id: F109	
Number of ECTS: 6	
Teacher:	Nikolić T. Slavka
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 on paradigms, methods, techniques and strategies of marketing and entrepreneurship. Developing abilities to accept changes, identify their importance, and, primarily, developing abilities to create flexible modes of reaction to variable business conditions.

2. Educational outcomes (acquired knowledge):

To make an engineers with a “sense” for markets, and with the ability to analyse contemporary business environment with all its complexity, as well as the ability to apply basic entrepreneurship knowledge – how to identify, create and use the changes of variable business environment.

3. Course content/structure:

1. Notions of marketing and entrepreneurship; 2. Dilemmas and controversies in entrepreneurial business; 2. Phases in entrepreneurial business – 7K; 4. Marketing mix (4Pvs, 4C, 6P, 7P); 5. PEST and SWOT analysis; 6. BCG matrix; 7. Product life cycle; 8. Competition; 9. Entrepreneurial strategies – strategies for new products; 10. Marketing strategies; 11. Integrated marketing communications.

4. Teaching methods:

Teaching is held as lectures and auditorial practise. At lectures, theoretical bases and marketing principles are presented. Lectures are supplemented by characteristic study cases. At auditory practice, theoretical postulated are elaborated using study cases.

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	30.00
			Practical part of the exam - tasks	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Stevan Vasiljev	Marketing principi	Prometej	2005
2,	Mike P. McKeever	How To Write A Business Plan	NOLO	2005
3,	Philip Kotler, Gary Armstrong	Principles of Marketing	Pearson Education	2006
4,	Momčilo Milisavljević, Branko Maričić, Mirjana Gligorijević	OSNOVI MARKETINGA	Ekonomski fakultet u Beogradu	2004

Table 5.2 Course specification

Course:		Introduction to Graphic Technologies
Course id:	F201	
Number of ECTS:	6	
Teachers:		Novaković M. Dragoljub, Kašiković D. Nemanja
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To enable students to be included into professional courses and acquiring basic knowledge in the area of graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further education and in the development of knowledge in professional courses.

3. Course content/structure:

Graphic technologies, basic notions, classifications. Historical development. Development of writing, writing substrates and writing means. Phases in graphic production, mechanization and automation of graphic processes. Prepress graphic production. Manufacture of setting, hand-made and machine setting. Photo and computer setting. Text and image preparation and processing. Basic graphic production. Materials in graphic industry. Reproduction fundamentals. Quality control. Ergonomics. Environmental protection. Basic mechanical principles of printing. Printing forms, basic notions. Postpress and finishing.

4. Teaching methods:

Teaching is performed by using the contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. At lectures, theoretical content is presented and accompanied by examples and solution simulations for better understanding of the content matter. Computer practice is organized as complementary to the skills of graphic technologies, while laboratory practice is for practical application of the acquired knowledge on the available laboratory equipment. Apart from lectures and practice, consultations are held regularly.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D.	Uvod u grafičke tehnologije	FTN, Grafičko inženjerstvo	2006
2,	Babić D.	Uvod u grafičku tehnologiju	Grafički centar za ispoitivanje i projektiranje, Zagreb	1998
3,	Trajković, A., Jovanović, S.	Uvod u grafičku tehnologiju	Tehnološki fakultet, Beograd	1998
4,	Novaković, D., Dedijer, S., Vladić, G.	Uvod u grafičke tehnologije - praktikum za vežbe	FTN izdavaštvo, Grafičko inženjerstvo i dizajn	2010

Table 5.2 Course specification

Course:		Electrical Machines
Course id:	F203	
Number of ECTS:	4	
Teachers:		Marčetić P. Darko, Vasić V. Veran
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The aims of the course are to get basic knowledge in the field of applied electrical engineering, electromechanical energy conversions, electrical machines, power electronic converters and their application.

2. Educational outcomes (acquired knowledge):

After following this course the students should have an overview over the different types of electrical machines and the way they are used in drive systems. They will have acquired the fundamentals of the principles of the electromechanical conversion and will be able to understand power electronic converters operation used to drive electrical machines.

3. Course content/structure:

Principles of electromechanical energy conversion. Parts of rotational electrical machines. Overview of different types of electrical machines, basic elements and properties. DC machines, induction machines, synchronous machines, stepper motors, piezoelectric motors. Power transformers. Elements of power electronics. Power electronic converters used to drive electrical machines: AC/DC converters, AC/AC converters. Electrical drives – advantages, elements of drive system, drive characteristics. Modern trends in control of electrical drives. Examples: printing presses, printing machines.

4. Teaching methods:

Lectures, Exercises, Laboratory work.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Laboratory exercise attendance	Yes	5.00	Coloquium exam	Yes	20.00
Test	Yes	10.00	Coloquium exam	Yes	20.00
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	E. Levi, V. Vučković, V. Strezoski	Osnovi Elektroenergetike	FTN, NoviSad	2004
2,	Prša M.	Osnovi elektrotehnike	Stylos - FTN, Novi Sad	2000
3,	Miloš Milanković, Dragoslav Perić	Osnovi elektroenergetike	Viša elektrotehnička škola, Beograd	2002
4,	Vladislav Teodorović	Električne pogonske mašine I	Naučna knjiga Beograd	1978
5,	Lj. Gerić, M. Savić, Č. Vujović	Zaštita objekata od atmosferskog pražnjenja	FTN Novi Sad	2001
6,	Đukan Vukić	Elektrotehnika: fizički osnovi, električne mašine, električna merenja	Nauka	1991

Table 5.2 Course specification

Course:		Type and Typography
Course id:	F208	
Number of ECTS:	8	
Teachers:		Nedeljković S. Uroš, Karlović Đ. Igor
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:

The aim of the course Typeface and Typography is to prepare and train students to properly manage and implement the knowledge of typographical rules in the prepress.

2. Educational outcomes (acquired knowledge):

Relying on the basis of the course construction and intellectually creative sphere of graphic design, after passing an examination in this course, students will be able to use the knowledge gained in the field, individual work and further education.

3. Course content/structure:

Typeface and Typography course includes theoretical and practical part.
The lectures in the theoretical part of the course include the following topics:
•Typography definition and conceptof the subject
•The basics of type design / Anatomy of the letter
•The history of the typeface
•The history of the latin alphabet
•The history of the cyrillic alphabet
•The history of typeface
•Antiqua typefaces
•The reform the Cyrillic alphabet
•Sanserif typefaces
•The classification of the typefaces
•Legibility of typeface and readability of typography
•Typeface persona and the rhetoric of typography
The exercise in the practical part of the course include the following topics:
•The construction of the characters
•The principles of digital typography
•The formats of the digital font
•Formating and generating of the font
•Font metrics and hint mechanisms
•Typography metrics
•The principles of typographic layout / The grid systems
•Typographic hierarchy and vocabulary

4. Teaching methods:

Lectures, computer (C) practice, consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Nedeljković, S; Nedeljković, U;	Pismo i tipografija	Fakultet tehničkih nauka	2012
2,	Phil Baines, Andrev Haslam	Type & typography	Laurence King	2002
3,	Dejvid Saks	Savršena slova	Portalibris	2006
4,	Johana Druker	Alfabetski lavirint	Stylos	2006
5,	Fileki, S.	26+30 PISMO, istorija pisma i tipografije sa poukama za umetničku i pedagošku praksu	Univerzitet umetnosti, Beograd	2010

Literature

Ord.	Author	Title	Publisher	Year
6,	Nedeljković, S; Nedeljković, M.	Grafičko oblikovanje i pismo	Zavod za udžbenike i nastavna sredstva, Beograd	2006

Table 5.2 Course specification

Course:		Photography			
Course id:	F504I3				
Number of ECTS:	6				
Teacher:		Aleksić Ž. Milan			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			

1. Educational goal:

To enable students for acquiring basic knowledge in the field of graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, research, individual work and further professional education.

3. Course content/structure:

PHOTOGRAPHY OF THE 19th CENTURY
- Experiments to the first photograph
- Nicephore Niepce: First photograph in 1826
- Birth and development of Daguerreotype procedure - Louis Daguerre
- Improvement of Daguerreotype procedure
- Calotype – William Henry Fox Talbot
- Calotype procedure
- Topics related to areas and architecture in photography
- Photographic portrait of the 19th century
- Felix Tournachon Nadar
- Portrait as a personal expression : Julia Margaret Cameron
- Photographic records and industrial development
- Photography of wars and social riots : Timothy O`Sullivan
- Photography and nude body
- Photography and arts
- Photography of moves and chronophotography : Eadweard Muybridge
- Photography as a topographic instrument : Eugene Atget
- Coloured photographs and photographs in colour
- Early social documentation in the turn of the century photograph
- Lewis Hahn
- August Sander
- Alfred Stieglitz
- Photography of the 19th century in Serbia
- Appearance and development of Dagerreotype procedure
- Anastas Jovanović

PHOTOGRAPHY OF THE 20th CENTURY
- Experiment in the photography at the beginning of the 20thcentury
- Application of the first photomontage and photo collage
- Dadaism: Herbert Bayer, Hannah, Hoch, Otto Dix
- Surrealism : Man Ray
- Russian constructionalism: Alexander Rodčenko, Gustav Klutsis
- Reportage as a photographic task
- Photography as an authentic expression of an individual in the first half of the 20th century
- Edward Weston
- Andre Kertesz
- Anry Cartier Breson
- Garry Winogrand
- Elliott Erwitt
- Photographic Eye of the 20th century : Anry Cartier Breson
- Photographer as a direct participant in a war : Robert Capa
- Sixth and seventh decade in the photography of the 20th century
- Rene Burri
- Josef Koudelka
- Portrait photography – 20thcentury
- Margaret Bourke-White
- Arnold Newman
- Cecil Beaton

- Diane Arbus
- Social photography at the end of the 20th century
- Sebastiao Salgado
- Martin Parr
- Nan Goldin

4. Teaching methods:

Lectures, laboratory (L) practice, computer (C) practice, consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Goran Malić	Slike u srebru	Fotogram Beograd	2001
2,	Goran Malić	Fotografija 19. veka	Fotogram Beograd	2001
3,	Peter Stepan	Icons of photography -The 20th Century	Prestel	1999
4,	više autora	Posebne monografije o fotografima 19. i 20. veka različitih izdavača	Beograd	2000

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:		Introduction to Programming
Course id:	SE0001	
Number of ECTS:	7	
Teachers:		Ivanović V. Dragan, Marković -. Milan, Milosavljević P. Branko, Nenadić M. Goran
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Understanding the concepts, elements, and structure of computer programs, and basic algorithms for data processing.

2. Educational outcomes (acquired knowledge):

Upon successful completion of this course students gain understanding of main computer program concepts and are able to write programs that interact with users; handle different types of data; use basic structural concepts in programming - sequences, selections, and iterations; use subprograms and decompose complex programs; understand elements of software development process; understand elements of algorithm analysis.

3. Course content/structure:

The notion of a computer program: the role of hardware and software in a computer system; basics of modern computer operation; the form and function of programming languages; features of the Python programming language; elements of a Python program. Handling numbers: the notion of a data type; numerical data types; representing numbers in a computer; accumulator variables; using mathematical functions. Handling strings: the notion of string and its computer representation; operations on strings; string formatting. Decision structures: the notion of decision; single, double, and n-ary decisions; handling exceptions. Loops and logical expressions: the notion of a loop; finite and infinite loops; interactive and sentinel loops; nested loops; Boolean algebra and Boolean expressions. Subprograms: program decomposition; invoking subprograms; transfering parameters and results; subprogram collections; recursion. Data collections: arrays, operations on arrays, multidimensional arrays; dictionaries. Software development process: representing a real system in a computer program; top-down and spiral development, program testing. Algorithm analysis: concepts, the notion of search, linear and binary search, sorting algorithms.

4. Teaching methods:

Lectures; Computer practice. Consultations. The examination is oral. The final grade is formed on the bases of success at laboratory practice and oral examination.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	J.M. Zelle	Python Programming: An Introduction to Computer Science, 2nd edition	Franklin, Beedle & Associates	2010

Table 5.2 Course specification

Course:		Fundamentals in Mechanical Engineering
Course id:	F202	
Number of ECTS:	7	
Teachers:		Milojević D. Zoran, Navalušić V. Slobodan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Enabling students for abstract thinking and acquiring basic knowledge in the field. Developing spatial imagination and visualization, acquiring engineering knowledge for the most rational graphic presentation of combined forms. Understanding basic procedures, concepts and methods for forming a technical drawing as an activity that necessarily accompanies the design process. Enabling students for individual elaboration of technical drawings, both by hand and using a computer.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work, as well as in further educational process.

3. Course content/structure:

Engineering communication: introductory remarks. General remarks on engineering communications. Standardization. Technical drawing – standards. Computer-aided design. Geometrical modelling. Solid modelling. B-rep (boundary representation). CSG-rep (Constructive Solid Geometry). Orthogonal projection – drawing. Reading orthogonal drawings – visualization. Coding – dimensioning. Tolerance of length measures. Tolerance of free measures. Tolerance of shape and position. Marking quality and surface roughness. Drawing machinery elements. Workshop drawing. Erected drawing. Schematic drawing. Systems for product design – 2D/3D – AutoCAD. Setting characteristic perspectives onto an object. Orthogonal projection, isometrics and perspective. Determining visibility in characteristic projections. Elaboration of realistic model presentation, rendering. Defining scene, light sources (diffuse lightening and remote light source) and material application on a model. Introduction to machine elements. Types of load. Mechanical properties of materials. Calculation of mechanical elements. Threaded carrier. Screw connections. Group screw connections. Mechanical carriers. Friction pairs. Belt pairs. Gear pairs. Worm pairs. Shaft and axis. Joints of shafts and elements. Machine keys, pins, grooved shafts. Cones, compressed and pressed joints. Antifriction bearings. Joints. Brakes.

4. Teaching methods:

Lectures. Computer (C) practice. Consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Navalušić, S., Milojević, Z.	Osnovi mašinstva - Inženjerske grafičke komunikacije, skripta	FTN, Novi Sad	2001
2,	Gligorić, R., Milojević, Z.	Tehničko crtanje	Univerzitet u Novom Sadu	2004
3,	Miltenović, V.	Mašinski elementi, oblici, proračun, primena	Univerzitet u Nišu, Mašinski fakultet, Niš	2004

Table 5.2 Course specification

Course:	Graphic Processes
Course id: F206	
Number of ECTS: 8	
Teachers:	Novaković M. Dragoljub, Kašiković D. Nemanja
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

To enable students for independence in acquiring and applying professional knowledge in the area of graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work and further educational development.

3. Course content/structure:

Graphic processes, basic notions, graphic activities. Fundamental graphic production. Organization of graphic production. Printing form, basic notions. Classification of the multiplying procedures. Printing, reprography and special printing procedures. Postpress and finishing. Basic materials for the preparation and manufacturing of graphic products. Graphic products. Printed information. Communication technologies. Graphic media. Graphic processes, printing with different techniques – letterpress printing, lithography printing, gravure printing, screen printing. Digital printing and hybrid printing technologies. Designing graphic products. Graphic product manufacturing processes. Printed packaging from: paper, cardboard, foil, aluminium, plastic and complex materials. Quality in graphic processes.

4. Teaching methods:

Teaching is held using contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures, followed by the examples and solution simulation for better understanding of the course content. Computer practice are organized in a manner as to supplement the graphic technology skills, and laboratory practice are used to practically apply the acquired knowledge using the available laboratory equipment. Apart from lectures and practice, tutorials are regularly held.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D.	Grafički procesi	FTN, skripta, Grafičko inženjerstvo, Novi Sad	2004
2,	Trajković, A., Jovanović, S.	Uvod u grafičku tehnologiju	Tehnološki fakultet, Beograd	1998
3,	Novaković, D., Dedijer, S., Milić, N.	Grafički procesi - praktikum za vežbe	FTN izdavaštvo, Grafičko inženjerstvo i dizajn	2012

Table 5.2 Course specification

Course:		Electronics and Optoelectronics
Course id:	F207	
Number of ECTS:	6	
Teacher:		Slankamenac P. Miloš
Course status:		Mandatory

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

Acquiring basic knowledge in the field of electronics: basic electronic components, amplifiers, principles of analog-to-digital conversion, the basic principles of operation of digital circuits and their applications in engineering graphics. Acquiring basic knowledge in the field of optoelectronics: optoelectronic components (LED, photodiode, solar cell), optoelectronic sensors (color, position, and distance) and their application in engineering graphics, displays (TFT, LCD, seven-segment LED), electromagnetic spectrum (with emphasis on the visible and UV spectrum).Optics (mirrors and lenses). CCD elements and their application in digital camera, scanner and copier devices. Lasers and their applications in graphics engineering (bar-code printers, laser recording and printing, photocopy machines, laser printers, industrial lasers for engraving and cutting). The working principle of LCD, LED and Plasma TVs and monitors. Panels sensitive to touch (touch screen). Holography.

2. Educational outcomes (acquired knowledge):

- Ability to possess basic knowledge in principles of electronic components and amplifiers - Ability to possess basic knowledge in basic principles of digital electronic circuits - Ability to possess basic knowledge in principles of the system LEDs, laser diodes and photodetectors. - Ability to possess basic knowledge in principles of design simpler systems with displays - Ability to possess basic knowledge in principles of the system with optoelectronic sensors, color, position and distance - Ability to possess basic knowledge in principles of graphical systems with lasers (printers, engraving, cutting, etc.). - Ability to possess basic knowledge in principles of fiber optics.

3. Course content/structure:

Electronics: Electronic signals, A/D and D/A converters. Amplifier, ideal operational amplifier. Semiconductors and diodes. Bipolar and FET transistors. Basic digital circuits: logic functions and the basic characteristics of logic gates and combinational networks. Optoelectronics: Optoelectronic devices (LEDs, photodiodes, solar cells). Optoelectronic sensors (color, position, and distance) and their application in engineering graphics. Displays (TFT, LCD, seven-segment LED). Electromagnetic spectrum (with an emphasis on the visible and UV spectrum). Optics (mirrors and lenses). CCD elements and their application in digital camera, scanner and copier devices. Lasers and their applications in engineering graphics (bar-code printers, laser recording and printing, photocopy machines, laser printers, industrial lasers for engraving and cutting). The working principle of LCD, LED and Plasma TVs and monitors. Panels sensitive to touch (touch screen). Optical fibers for data transmission. Holography in multimedia.

4. Teaching methods:

Lectures, numerical (N) and laboratory (L) practice, consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Živanov, M	Optoelektronika za grafičare	Novi Sad	2006
2,	Živanov, M. i M. Slankamenac	Optoelektronika, praktikum za vežbe	Novi Sad	2006

Table 5.2 Course specification

Course:		Industrial Design
Course id:	F408	
Number of ECTS:	6	
Teachers:		Kuzmanović B. Siniša, Pavlović S. Živko
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To enable students to acquire and develop their knowledge needed for design of new and redesign of existing industrial products.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work, and in further education.

3. Course content/structure:

Definition of design, theories on design, narrow professional approach. Historical aspects of design, established designers and creators in the history of civilization. Design of the 20th century, product design, examples through time (furniture), design from 1900 until today. Design of – wall papers, fabrics, phones, watches, vacuum cleaners, clothing, haute couture, shoes, make-up and jewellery, etc. Vehicle design – bicycles, scooters, motorcycles, cars. Business design – stationary, computers, photocopiers, fax machines, calculators, etc. Graphic design, fonts, company`s identity, magazine cover pages, packaging design through time until today. Design in management (Internet technology), explicit knowledge, importance of design in Knowledge Management (KM). Thinking of Bill Gates in his book “Business @ the Speed of Thought”. How design increases the company`s IQ. Creating knowledge on design, classifications, applications, business process, information technologies, leadership, corporative culture, human resources management, control and innovations, relation between KM and other concepts, learning organization, design competence – TQM technological qualitative management, Patching and design, BSC and design. Motivation in management for a good design, linking a vision with reality via design.

4. Teaching methods:

Interactive teaching consists of the lectures and computer practice. Theory is presented in lectures, followed by the examples for better understanding of the course content. Computer practice is organized in a manner as to supplement the skills of modeling and designing industrial products. Apart from lectures and practice, tutorials are regularly held.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Siniša Kuzmanović	Industrijski dizajn	Fakultet tehničkih nauka Novi Sad	2010

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:	Graphic culture
Course id: F214I1	
Number of ECTS: 5	
Teachers:	Nedeljković M. Slobodan, Nedeljković S. Uroš
Course status:	Elective

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

Precondition courses: None

1. Educational goal:

With the development of the relief printing commences the reproduction of utilitarian graphic items, some of them being geographic maps and treasury notes. However, the most significant item of this period of illumination is "the book". Once the book had been perfected in a manner of serial reproduction it was possible to share worldwide the knowledge of mankind. Consequently, it was very important to develop a set of book form standards that will secure expansion of the form and the format regardless of geographic location, language or typeface (lettering). In this training course students will be acquainted with the development of the book before the printing process had progressed and after it had started. The course also includes learning process of utilitarian art print and form techniques as well as the connection between print and propaganda production.

2. Educational outcomes (acquired knowledge):

Introduction to the basic elements of graphic tradition and the acquisition of basic knowledge in the field of graphic art and typographical skills.
The acquired knowledge is used in the profession, independent work and further education.

3. Course content/structure:

Graphic print culture course includes theoretical and practical part. The lectures in the theoretical part of the course include the following topics: • The fundamentals of the book development • The history of print and graphics • Typographic styles: Renaissance, Baroque, Classicism and Historicism • Typographic styles: Arts and Crafts, ? Art Nouveau • Typographic styles: Constructivism and Modernism • Practical application of paper in contemporary graphic communication • Book typography • Book illustration and ornamention • Techniques of fine prints • Newspaper typography The exercise in the practical part of the course include the following topics: • Desktop publishing • Rules for text formatting • Book design • Newspaper design

4. Teaching methods:

Lectures, Computer (C) Practice, Consultations

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Graphic paper	Yes	20.00	Oral part of the exam	Yes	20.00
Graphic paper	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Nedeljković, S; Nedeljković, U	Pismo i tipografija	Fakultet tehničkih nauka	2012
2,	Nedeljković, S; Nedeljković, M.	Grafičko oblikovanje i pismo	Zavod za udžbenike i nastavna sredstva, Beograd	2006
3,	Fileki, S.	26+30 PISMO, istorija pisma i tipografije sa poukama za umetničku i pedagošku praksu	Univerzitet umetnosti, Beograd	2010
4,	Saks, D	Savršena slova	Portalibris	2006
5,	Druker, J	Alfabetski lavirint	Stylos	2006

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:		Graphic design products
Course id:	F211I1	
Number of ECTS:	5	
Teachers:		Novaković M. Dragoljub, Kašiković D. Nemanja
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Acquisition of new theoretical and practical knowledge and their application in printing production.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further educational development and in the application in practice.

3. Course content/structure:

Graphic Production, Requirements engineering, Software tools for the design, Design of preliminary elements, Design and manufacture of equipment for video production, Design and development tools for graphic production, Graphic products and their features, Design of products of paper and paperboard, Other design products materials, Construction products and the impact on design, Contemporary design application systems for printed products

4. Teaching methods:

Classes are conducted with modern teaching aids and methods, interactively through lectures, computer and laboratory exercises. Lectures presents the theoretical part of the curriculum followed by examples and simulation solutions for easier understanding of the subject matter. Computer exercises are organized in a way to supplement the skills of graphic technology and laboratory practice are used to practically apply the acquired knowledge using the available laboratory equipment. In addition to lectures and exercises, tutorials are regularly held.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Kipphan, H.	Handbook of Print Media	Springer	2000

Table 5.2 Course specification

Course:		Raster Graphics			
Course id:	F214I2				
Number of ECTS:	5				
Teacher:		Milosavljević P. Branko			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses		None			

1. Educational goal:

Understanding of digital raster images - their concepts, elements, and structure, and methods for digitization, processing, compression and reproduction.

2. Educational outcomes (acquired knowledge):

Upon successful completion of this course students will understand digital raster image concepts, and methods of digitization, processing, compression, and reproduction.

3. Course content/structure:

The notion of digital raster image. Digitization of analog signals. Digitization of images. Negative byproducts of digitization and methods for correction. Global image processing operations. Local image processing operations. Convolution. Filters for image processing. Image compression, lossless and lossy. Vector image rendering. Rendering fonts. Raster image reproduction.

4. Teaching methods:

Lectures, computer labs, consultations. The exam is written.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	50.00	Written part of the exam - tasks and theory	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Richard Szeliski	Computer Vision: Algorithms and Applications	Springer	2011

Table 5.2 Course specification

Course:		Reproduction Technology
Course id:	F301	
Number of ECTS:	8	
Teacher:		Karlović Đ. Igor
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring basic knowledge in the field of reproduction technologies.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further educational development, and in the application in practice.

3. Course content/structure:

Photographic optics. Lenses and objectives. Reproduction devices. Camera. Increasing device. Contact-photocopier. Repeat photocopier. Sensitometry and densitometry. Photographic materials. Content of photographic materials. Production of photographic materials. Colour-sensitivity. Special photo-materials. Light sources in repro-photography. Lightening and processing photographic materials. Types of developers. Fixing. Developing machines. Standardization of developing conditions and lightening device calibration. Halftone photography. Theory of a halftone dot. Glass halftone. Contact halftone. Electronic halftone. Colour. Colour systems. Principles of multi colour reproduction. Electronic reproduction technique. Scanners. Digital video cameras and cameras. Photo CD. Electronic montage of a page. Personal computers. Post Script. Raster Image Processor (RIP). Portable Document Format (PDF). Print proof. Sheet assembly. Electronic sheet assembly. Electronic publications and the Internet.

4. Teaching methods:

Teaching is held using contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures, followed by the examples and solution simulation for better understanding of the course content. Computer practice are organized in a manner as to supplement the graphic technology skills, and laboratory practice are used to practically apply the acquired knowledge using the available laboratory equipment. Apart from lectures and practice, tutorials are regularly held.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	10.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	2.00	Oral part of the exam	Yes	30.00
Laboratory exercise attendance	Yes	3.00			
Laboratory exercise defence	Yes	10.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D., Karlović I., Pavlović Ž., Pešterac Č.	Denzitometrija i kolorimetrija-priručnik za vežbe,drugo izdanje	Fakultet tehničkih nauka, Novi Sad	2007
2,	Novaković, D., Pešterac. Č.	Reprodukciona tehnika	FTN, skripta, Novi Sad	2004
3,	Kaži, D.	Elementarna tehnika fotografije	Beograd	1987
4,	Đorđević, M., Kovačević, M., Tatić, T. i dr.	Tehničko tehnološka priprema grafičke proizvodnje	Zavod za izdavanje udžbenika SRS, Beograd-Novi Sad	1990
5,	Buzas, F.	Reprodukcios fenykepezes a nyomdaiparban	M. Konyvkiado, Budapest	1982
6,	Karlović I.,Tomić I., Rilovski (Jurič) I.	Digitalna reprofotografija	FTN, Novi Sad	2012

Table 5.2 Course specification

Course:		Fundamentals of spatial design
Course id:	F312	
Number of ECTS:	6	
Teachers:		Nedeljković M. Slobodan, Jureša P. Goran
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

3D animation is the most applied form of visualization today. Primarily due to its spatial and photorealistic view, this kind of visualization has become a leader in this field. The goal of this course is to enable students to master knowledge in the creation of various space systems and their animation in real time with high quality rendering. Apart from modeling even the most complex models, this medium can be used for appling different textures that contribute to realistic-looking scenes as well as applying physically accurate lighting that is well tuned to render most realistic scenes. The spatial design has largely contributed to the development of various forms of virtual art and it allows designers endless possibilities of expressing creativity.

2. Educational outcomes (acquired knowledge):

The acquired knowledge is used in the field for purposes of an individual, further education and can be applied to various industries.

3. Course content/structure:

The theoretical part is related to primary digital 3D environment setting in order to minimally reduce errors which occur in the further process of making the animation due to inadequate environment setting. The errors in the process of rendering, lighting and mapping usually occur if the certain setting conditions are not met where the 3D objects are obtained. The concept of the first lecture is based upon the error recognition and its reduction. Introduction to rendering and indirect lighting, their characteristics and positioning of the indirect light. The physics of indirect light enables formation of realistic renders. However, numerous combination settings are at hand. Based on light rejection for purposes of the most realistic scene preview, it permits measuring the number of rejections i.e. compensation of quality and the time it takes to render. The aim of the artificial lighting theory is to explain on of the most significant possibilities of the 3D lighting in the software and also provides recommendation for its application. The compensation of quality and render speed is highly important when it comes to photorealistic preview or animation.

4. Teaching methods:

Lectures, Computer (C) Practice, Consultations

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Graphic paper	Yes	20.00	Oral part of the exam	Yes	20.00
Graphic paper	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Oliver Grau	Virtuelna umetnost	Massachusetts Institute of Techology	2008
2,	Nemanja Brkić	Tehnologija slikarstva i vajarstva i ikonografije	Univerzitet u Beogradu	1991
3,	Eliot Goldfinger	Human anatomy for artists	University Prese	1991
4,	Group of writers	3D total, digital art masters	Focal press	2009
5,	Connell E.	3D for Graphic Designers	Sybex	2011

Table 5.2 Course specification

Course:		Printing Forms
Course id:	F307	
Number of ECTS:	7	
Teacher:		Pavlović S. Živko
Course status:		Mandatory

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

Precondition courses

1. Educational goal:

To enable students to acquire basic and practical knowledge in the field of preparing printing forms.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used as a base in further education, and in practical application.

3. Course content/structure:

Imaging and developing of offset printing forms in a printing house. Standardization in making offset printing forms. Influencing factors on the offset printing form during the printing process. Imaging equipment for printing plates. Develpoing mashines. Computer-to-Plate (CTP) technology and the main elements of the CTP system. Hybrid printing forms. Silver halide printing forms. Thermal plates technology. Making printing forms for gravure printing. Chemical method. Electro-engraving. Laser-made printing forms for gravure printing. Making printing forms for letterpress printing. Photo-polymer printing form, types and usage. Technical process for obtaining photo-polymer printing forms. Photo-polymers for making printing forms for flexography printing. Printing forms for non-conventional printing techniques. Printing forms for screen printing and pad printing. Making of printing forms for digital printing. Control strips for analogue and digital printing plates.

4. Teaching methods:

Active participation of teachers and students in classes with the application of contemporary didactic means, group work in the laboratory and individual elaboration of the given seminar paper topic.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Hoffman-Walbeck T.	Lehrbuch Digitale Druckformherstellung	Dpunkt Verlag, Heidelberg	2004
2,	Hinderliter H.	Understanding Digital Imposition	GATF Press, Pittsburg	2002
3,	Čedomir Pešterac	Štamparske forme, knjiga u pripremi	kopirnica Elektra	2008

Table 5.2 Course specification

Course:	Chemigraphy
Course id: F302	
Number of ECTS: 5	
Teacher:	Kiurski S. Jelena
Course status:	Elective

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

To enable students in engineering thinking and in acquiring knowledge in the filed of chemigraphy as a fundamental course, which is a theoretical introduction into making printing forms.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further education, and in better understanding of physical and chemical phenomena during the making of printing forms.

3. Course content/structure:

Introduction to chemigraphy. Electricro-chemical processing of printing plates manufacturing - basic electrochemical processes in the preparation of printing plates, electrolysis, mechanism and structure of electrolytic coating, cooper plating, chrome plating, anodising aluminum. Surface phenomena - surface tension, wetting, adsorption. Copy layer processing - copy layers based on bichromate, copy layer based on diazo compounds, photopolymer copy layers. Metal etching - chemism, multiphase, single - and electrolytic etching. The mechanical properties of metals and alloys to produce offset plates - surface properties, metals for making monometallic and polymetallic offset platesa nd cliches. Basic concept of offset printing forms development - the chemical properties of printing plates, size of surface area, species adsorbed surfactants, the concentration of adsorbed substances, phenomenon of chemisorption.

4. Teaching methods:

Active participation of teachers and students in classes with modern didactic devices, experimental laboratory work in small groups with the use of experimental techniques in selected areas of chemigraphy as the basis of the printing profession. In addition to lectures and experimental exercises are regularly held consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Jelena Kiurski	Hemigrafija - praktikum, 2.izdanje	FTN izdavaštvo, Novi Sad	2008
2,	Drew Myers	Surfactant Science and Technology, Third Edition	Wiley-Interscience, John Wiley@Sons, Publication	2006
3,	Jelena Kiurski	Hemigrafija, osnovni udžbenik	FTN Izdavaštvo, Novi Sad	2011

Table 5.2 Course specification

Course:		English Language – ESP Course 1
Course id:	F320	
Number of ECTS:	3	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Mastering the most important terminology related to profession. Developing strategies for understanding texts in a foreign language. Enabling students for reading and understanding the original English texts from the various sources related to the specific aspects of graphic engineering and design. Developing oral and written communication related to these topics, using adequate vocabulary and more complex sentence structures

2. Educational outcomes (acquired knowledge):

Students possess certain terminology related to the science, technology and their field of studies. They can follow various literature from the field, and communicate on professional topics in the English language using the terms and sentences characteristic for the language of their future profession.

3. Course content/structure:

Processing contemporary professional texts in the English language related to diverse aspects in the field of graphic engineering and design. Developing strategies for understanding a professional text, such as: skimming, scanning, comparing sources, using context, using background knowledge etc. Mastering most used terms related to profession. Adopting language functions, such as: comparison, classification, expressing purpose or function, describing components, causal relations, etc. Most common prefixes, suffixes, compounds and collocations.

4. Teaching methods:

Emphasis is on students` activity during the class, their interaction with the teacher and among themselves. Communicative approach is used in the foreign language teaching. Exercises are created in order to simplify and evaluate the understanding of texts, as well as to practice certain vocabulary and other characteristic ESP properties. Some exercises are created to inspire students to additionally practice their language skills using the greater knowledge of their studying field.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Ivana Mirović i Vesna Bogdanović	Engleski jezik 1 za grafičko inženjerstvo i dizajn	FTN , Novi Sad	2007
2,	Branko Vukičević	Rečnik štamparstva i izdavaštva	Jezikoslovac, Beograd	2005

Table 5.2 Course specification

Course:		German Language – LSP Course 1
Course id:	F330	
Number of ECTS:	3	
Teacher:	Berić B. Andrijana	
Course status:	Elective	

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

Precondition courses: None

1. Educational goal:

Mastering the profession terminology, developing language competence related to professional topics, mastering complex language structures.

2. Educational outcomes (acquired knowledge):

Students have mastered the professional terminology; they can understand texts related to the profession, as well as have conversations on things related to their future profession.

3. Course content/structure:

Practical part of the course: mastering professional terminology by comprehending contemporary professional texts. Theoretical part of the course: causal clauses, effect clauses, prepositions, infinitive structures, passive, verb rection, participle 1 and 2, reflexive verbal use, modal clauses, comparison.

4. Teaching methods:

Emphasis is on the communication method, and hence on students` activity during the class. During the communication, mutual interaction is essential. The written texts are also processed. Class exercises are created for the students to practice a certain vocabulary and other characteristics of the language for specific purposes. Apart from the textbook, the Internet material is also used.

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,	E. Zettel, J. Janssen, H. Müller	Aus moderner Technik und Naturwissenschaft (1.1, 3.2, 3.3, 3.4)	Hueber Verlag	2003

Table 5.2 Course specification

Course:		Graphic Communication
Course id:	F302I1	
Number of ECTS:	5	
Teachers:		Ševo B. Boško, Nedeljković S. Uroš
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Training students to think abstractly and acquire basic knowledge in the field. The goal of this program is to provide students with the theoretical and practical work in this field, know the basics of visual communication as a fundamental area for the study and practice of graphic design.

2. Educational outcomes (acquired knowledge):

The acquired knowledge is used in the profession, independent work and further education.

3. Course content/structure:

Graphic Communications course includes theoretical and practical part. The lectures in the theoretical part of the course include the following topics: • Signs, symbols and pictograms • Graphic communication in space / marking and guidance • Visual / corporate identity • Logo / trademark and logo • Advertising constants • Papers for business correspondence • Style propaganda / sales propaganda tool • Book of the graphic standards • Annual report design The exercise in the practical part of the course include the following topics: • Vector graphics • Design of modern pictograms • Design of the logo and visual identity • Flyers and brochures design • The basic elements of Graphic standards book design

4. Teaching methods:

Lectures, computer (C) practice, consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	20.00
Graphic paper	Yes	20.00	Practical part of the exam - tasks	Yes	30.00
Graphic paper	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Hembree, R.	Kompletan grafički dizajn	Don Vas	2008
2,	Fruht, M; Rakić, M; Rakić, I.	Grafički dizajn kreacija za tržište	Zavod za izdavanje udžbenika i nastavnih sredstava Beograd	2004
3,	Nedeljković, M.	Marketinški priručnik	D.O.O. Dnevnik - Novine i časopisi, Novi Sad	2001
4,	Nedeljković, S; Nedeljković, U.	Pismo i tipografija	Fakultet tehničkih nauka, Novi Sad	2012

Table 5.2 Course specification

Course:		Printing Techniques
Course id:	F303	
Number of ECTS:	8	
Teachers:		Novaković M. Dragoljub, Kašiković D. Nemanja, Pavlović S. Živko
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To enable students for individuality in acquiring and applying professional knowledge in the field of graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in further educational development, and in the application in practice.

3. Course content/structure:

Letterpress printing, rotogravure printing, lithography printing, screen printing, digital printing, special printing procedures, printing on different substrates, improvements and similar procedures, technical printing problems, impressions in individual printing technologies, impression quality.

4. Teaching methods:

Teaching is held using contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures, followed by the examples and solution simulation for better understanding of the course content. Computer practice are organized in a manner as to supplement the graphic technology skills, and laboratory practice are used to practically apply the acquired knowledge using the available laboratory equipment. Apart from lectures and practice, tutorials are regularly held.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	3.00	Oral part of the exam	Yes	30.00
Laboratory exercise attendance	Yes	2.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D.	Tehnike štampe, skripta	FTN, Grafičko inženjerstvo i dizajn, Novi Sad	2004
2,	Kipphan, H.	Handbook of Print Media	Springer	2000
3,	Bolanča S.	Glavne tehnike tiska	Acta Graphica, Zagreb	1997
4,	Teschner H.	Druck & Medien Technik	Fach Schriften Verlag	2003
5,	Adams J. M., Dolin P. A.	Printing Technology	Delmar thomson learning	2002
6,	Wilson D. G.	Lithography Primer	GATF Press, pitsburgh	1997
7,	Faiola A.	Typography Primer	GATF Press, pitsburgh	2000
8,	Lawler B. P.	The Official Adobe Print Publishing Guide	Adobe	2006
9,	Novaković, D., Pavlović, Ž., Kašiković, N.	Tehnike štampe, praktikum za vežbe	Fakultet tehničkih nauka	2011

Table 5.2 Course specification

Course:	Print finishing
Course id: F308	
Number of ECTS: 8	
Teachers:	Novaković M. Dragoljub, Kašiković D. Nemanja
Course status:	Mandatory

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
4	0	3	0	1

Precondition courses: None

1. Educational goal:

To enable students for independence in acquiring and applying professional knowledge in the field of graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work and in further education.

3. Course content/structure:

Production of books, newspapers and magazines. Handmade book bounding. Industrial book binding. Structure of book, types of binding and criteria for binding selection. Restoration of old books. Making a book block. Processing printed sheets, cutting, folding, gathering, end-paper, thread sawing, casing-in, book pressing and other processing operations of a book block making. Making covers. Covers for paper-bound book. Covers for hard cover binding (full paper, half cloth, full cloth, half leather, full leather). Book composition and processing. Cutting, folding, gathering, thread sawing, casing-in, cover making, embossing and foil stamping. Blocks, maps, prospects, labels and other products. Quality control for graphic products.

4. Teaching methods:

Teaching is held using contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures, followed by the examples and solution simulation for better understanding of the course content. Computer practice are organized in a manner as to supplement the graphic technology skills, and laboratory practice are used to practically apply the acquired knowledge using the available laboratory equipment. Apart from lectures and practice, tutorials are regularly held.

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	40.00
Laboratory exercise attendance	Yes	3.00	Oral part of the exam	Yes	30.00
Laboratory exercise defence	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D.	Završna grafička obrada, skripta sa predavanja	FTN, Grafičko inženjerstvo, Novi Sad	2004
2,	Obradović, T.	Priručnik za kartonažere	Beograd	1996
3,	Đorđević, M., Kovačević, M., Tatić, T. i dr.	Tehničko tehnološka priprema grafičke proizvodnje II	Beograd	1990
4,	Wiese, F.	Derbucheinband	Schluttersxe Verlag, Hannover	1983
5,	Potisk, V.	Grafička dorada	Svjetlost, Titograd-Sarajevo-Zagreb-Beograd-Novi Sad	1989
6,	Liebau D., Heinze I.	industrielle Buchbinderei	Verlag Beruf+Schule	2001
7,	Tedesco T. J. editor	Binding Finishing Mailing The Final Word	GATF Press, Pitsburgh	1999
8,	Banister M.	The Craft of Bookbinding	Dover Publications, Inc., New York	1975
9,	Novaković, D., Apro, M.	Završna grafička obrada - praktikum za vežbe	Fakultet tehničkih nauka u Novom Sadu	2012

Table 5.2 Course specification

Course:		Multimedia
Course id:	F209	
Number of ECTS:	6	
Teachers:		Milosavljević P. Branko, Milanović N. Nikola, Milosavljević R. Gordana
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Introducing students to concepts, methods and technologies in the field of multimedia systems and publishing.

2. Educational outcomes (acquired knowledge):

Practical application of methods and technologies in the field of multimedia systems.

3. Course content/structure:

Multimedia systems (properties of continual media). Basic concepts of sound, image, video and animation. Techniques in data compression and database formats. Memorizing multimedia data. Properties of multimedia work stations and operation systems. Distribution systems. Systems for managing multimedia databases, integration. Fundamentals in multimedia documents. Hypertext and hypermedia. Methodologies for designing multimedia systems.

4. Teaching methods:

Lectures, computer practice, consultations.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Nigel Chapman, Jenny Chapman	Digital Multimedia	John Wiley and Sons	2004
2,	Nigel Chapman, Jenny Chapman	Digital Media Tools	John Wiley and Sons	2003

Table 5.2 Course specification

Course:	Design of Graphic Products
Course id: F230	
Number of ECTS: 6	
Teachers:	Nedeljković S. Uroš, Ševo B. Boško
Course status:	Elective

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The aim of the studies is to provide students with the theoretical and practical work in the field of graphic design products, enabling them to independently solve the tasks. Students are being formed into complex graphic design engineers, socially responsible, able to evaluate the aesthetic level of the project to be realized and able to creatively work on it and finish it.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work and in further education.

3. Course content/structure:

Graphic Communications course includes theoretical and practical part.
The lectures in the theoretical part of the course include the following topics:
•Direct means of advertising
•Representative propaganda tool
•Folding Design Graphic Packaging
•Design labels, stickers and slings
The exercise in the practical part of the course include the following topics:
•Catalogue design
•Calendar design
•Product design

4. Teaching methods:

Lectures, computer (C) practice, consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	20.00
Graphic paper	Yes	20.00	Practical part of the exam - tasks	Yes	30.00
Graphic paper	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Fruht M., Rakic, M.	Grafički dizajn kreacija za tržište	Zavod za izdavanje udžbenika Beograd	2004
2,	Hembree, R.	Kompletan grafički dizajn	Don vas, Beograd	2008
3,	Nedeljković, M.	Marketinški priručnik	D.O.O. Dnevnik - Novine i časopisi, Novi Sad	2001
4,	Nedeljković, S; Nedeljković, U.	Pismo i tipografija	Fakultet tehničkih nauka, Novi Sad	2012
5,	Nedeljković, M; Nedeljković, S.	Grafičko oblikovanje i pismo	Zavod za udžbenike i nastavna sredstva, Beograd	2006

Table 5.2 Course specification

Course:		English Language – ESP Course 2
Course id:	F321	
Number of ECTS:	3	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Further mastering of the terminology related to profession. Further mastering of reading and understanding the original English texts from the diverse sources related to the graphic engineering and design. Further developing of the oral and written communication related to these topics, using adequate vocabulary and more complex sentence structures.

2. Educational outcomes (acquired knowledge):

Students have an expanded vocabulary related to the science, technology and their field of studying. They can follow the more professional literature from the field, and speak about professional topics using more complex terms and sentences characteristic for the language of their future profession.

3. Course content/structure:

Processing contemporary professional texts in the English language related to diverse aspects in the field of graphic engineering and design. Further developing the strategies for understanding a professional text, such as: skimming, scanning, comparing sources, using context, using background knowledge etc. Further mastering the most common terminology related to profession. Further adopting the most common prefixes, suffixes, compounds and collocations. Reduced relative clauses and participles.

4. Teaching methods:

Emphasis is on students` activity during the class, their interaction with the teacher and among themselves. Communicative approach is used in the foreign language teaching. Exercises are created in order to simplify and evaluate the understanding of texts, as well as to practice certain vocabulary and other characteristic ESP properties. Some exercises are created to inspire students to additionally practice their language skills using the greater knowledge of their studying field, comments and explanations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Ivana Mirović i Vesna Bogdanović	Engleski jezik 1 za grafičko inženjerstvo i dizajn	FTN, Novi Sad	2007
2,	Branko Vukučević	Rečnik štamparstva i grafike	Jezikoslovac	2005

Table 5.2 Course specification

Course:		German Language – LSP Course 2
Course id:	F331	
Number of ECTS:	3	
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:

Expansion of vocabulary related to professional terminology. Vocabulary is in accordance with the advanced level of professional language knowledge. Students learn more complex grammar structures.

2. Educational outcomes (acquired knowledge):

Students have mastered the professional terminology and know how to use it in both written and oral form.

3. Course content/structure:

Mastering the professional terminology, expanding the vocabulary, and mastering more complex grammatical structures.

4. Teaching methods:

Emphasis is on the communication method, and hence on students` activity during the class. During the communication, mutual interaction is essential. The written texts are also processed. Class exercises are created for the students to practice a certain vocabulary and other characteristics of the language for specific purposes.

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,	E. Zettel, J. Janssen, H. Müller	Aus moderner Technik und Naturwissenschaft	Hueber Verlag	2003

Table 5.2 Course specification

Course:		Digital Photography			
Course id:	F304I1				
Number of ECTS:	6				
Teachers:	Karlović Đ. Igor, Pavlović S. Živko				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses	None				

1. Educational goal:

The aim of this module is to teach the students the contemporary techniques and methods of digital photography, as well the methods for image processing and data storage.

2. Educational outcomes (acquired knowledge):

The students will be able to work in a digital photo studio using the standardized photo imaging techniques by using measure and control devices. Beside using properly the digital camera students will aquire knowledge to process and storage the digital images.

3. Course content/structure:

Work principle of digital camera, Sensors and build of digital camera, Photography optics and measurement of imaging sharpness, Mosaic deconstruction algorithms and errors, Errors in imaging RAW photography, High Dynamic Range photography

4. Teaching methods:

Theoretical lectures
Laboratory work
Computer classes

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	40.00
Laboratory exercise defence	Yes	20.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Efthimia Bilissi , Michael Langford	Langford's Advanced Photography, Eighth Edition	Focal Press	2010
2,	Elizabeth Allen , Sophie Triantaphillidou	The Manual of Photography and Digital Imaging, Tenth Edition	Focal Press	2009

Table 5.2 Course specification

Course:		Colour Science			
Course id:	F407				
Number of ECTS:	6				
Teachers:		Novaković M. Dragoljub, Karlović Đ. Igor, Pavlović S. Živko			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
4	0	4	0	0	
Precondition courses		None			

1. Educational goal:

To enable students to adopt contemporary theoretical and practical knowledge on colour as a very significant segment in graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work, and in further education.

3. Course content/structure:

Light as a natural phenomenon, Colour as a natural phenomenon, Observing and differentiating colour, Colour attributes, Historical development of the colour systems, Colour perception in colour space and colour appearance models, Concept of colour models, Colour appearance models, Measuring instruments, Gloss and whiteness measurements.

4. Teaching methods:

Teaching is held using contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures. At practice, students repeat the teaching content and expand their knowledge by using the measuring equipment. Apart from lectures and practice, tutorials are regularly held.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	2.00	Oral part of the exam	Yes	30.00
Laboratory exercise attendance	Yes	3.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D.	Nauka o boji	FTN, Grafičko inženjerstvo i dizajn, Novi Sad	2008
2,	Soutworth M., Soutworth D.	Pocket Guide to Color Reproduction	Graphic Arts Publishing Inc, Livonia	1995
3,	Richard Hunter, Richard Harold	The Measurement of appearance, 2nd edition	Wiley-Interscience	1987

Table 5.2 Course specification

Course:		Basics of game making
Course id:	F411	
Number of ECTS:	4	
Teachers:		Karlović Đ. Igor, Pavlović S. Živko
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The aim of the module is to teach the basics of computer game constructions. The students will learn to make a computer game concept to develop the story line and characters as well to establish good game dynamics.

2. Educational outcomes (acquired knowledge):

The students will learn the basics of computer game development and in the practical classes they will make their own basic computer game.

3. Course content/structure:

Purposes of Computer Games
Today's Computer Game Industry (a multi-disciplinary industry)
Player Motivation and Marketing
Genres of Computer Games
The Game Setting (History, Background, Storyline, and Setting of the Game)
Types of Challenges in Computer Games
Storytelling in Games
Character Development in Games (both Avatars and NPCs)
Gameplay Mechanics
The Game Design Process and Design Documents
Computer Game Engines (e.g. Torque, Game Maker, etc.)
Building the Game World/Setting
Textures and Image Manipulation (for creating/editing textures)
Objects (both 2D and 3D) and Collisions
Creating Static 3D Objects (called "Interiors" in Torque game engine)
Creating Dynamic (Animate-able) 3D Objects
Employing Audio in Computer Games

4. Teaching methods:

The theoretical classes will encompass the basics of the game development theory with the focus on real world game examples. The computer classes will consist of work in a game development engine where students will learn to make their own computer game.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Jeannine Novak	Game development essentials	Delmar Learning	2011
2,	Bob Bates	Game Design	Course TEchnology PTR	2004
3,	Heather Maxwell Chandler	Fundamentals of game development	Jones&Bartlett	2010

Table 5.2 Course specification

Course:		WEB Design
Course id:	F501	
Number of ECTS:	5	
Teachers:	Marković -. Milan, Sladić S. Goran, Vidaković P. Milan	
Course status:	Mandatory	

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

Precondition courses: None

1. Educational goal:

To enable students to handle technologies for web content design and to introduce students with web design principles.

2. Educational outcomes (acquired knowledge):

Students are enabled for individual work in area of creating complicated web contents.

3. Course content/structure:

Fundamental technologies for web design: HTML, xHTML, CSS. Characteristics of the Internet network and HTTP protocol. Multimedia data types on the web. Streaming. Web site usability: page design, content design, web site design. Presentation for persons with special needs. Multilingualism and localization of content.

4. Teaching methods:

Consultations, computer practice, lectures.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Dave Lawrence, Soheyla Tavakol	Balanced Website Design - Optimising Aesthetics, Usability and Purpose	Springer-Verlag	2007
2,	Jacob Nielsen	Designing Web Usability	Peachpit Press	1999
3,	Bryan Pfaffenberger et al.	HTML, XHTML, and CSS Bible	John Wiley and Sons	2004

Table 5.2 Course specification

Course:		Modelling, Simulation and Control
Course id:	F404	
Number of ECTS:	4	
Teacher:		Jeličić D. Zoran
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

1. Educational goal:

Mastering theoretical and practical fundamentals in modelling and simulation of graphic process. Mastering theoretical and practical fundamentals in computer control systems in graphic engineering.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in solving specific engineering problems, and it also presents a basis in further taking of professional courses.

3. Course content/structure:

Place and role of modelling and simulation, application in practice. Theory on modelling and simulation. Mathematical models in graphic engineering. Simulation languages. Simulation on a digital computer. Basic notions and principles of the automated control system. Mathematical descriptions of continual linear systems. Measuring, management systems for monitoring in graphic engineering. Practical examples and control of graphic processes and systems.

4. Teaching methods:

Lectures, computer and laboratory practice, consultations. The examination has a written and an oral part. Teaching content can be divided into two partial examinations. Oral part of the examination is passed in accordance with the list of examination questions. As a rule, the validation of partial examinations is two examinations terms. Partial examinations and final examination are in a written form. Written part of the examination is eliminatory. Examination grade is formed on the basis of grades from partial examinations, homework, written and oral parts of the examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	30.00	Coloquium exam	No	40.00
			Theoretical part of the exam	Yes	30.00
			Practical part of the exam - tasks	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Jeličić Z., Kulić F., Čongradac V., Kanović Ž., Živković S.	Praktikum Savremena merenja i instrumentacija iz programa Lifelong Learning	INDAS	2003
2,	Duane Hanselman, Bruce Littlefield	Mastering MATLAB	Prentice Hall; 1 edition	2011
3,	Mladen Popović	Senzori i merenja	Zavod za udžbenike i nastavna sredstva, Srpsko Sarajevo, 4. Izdanje	2004
4,	Rafael C. Gonzalez, Richard E. Woods and Steven L. Eddins	Digital Image Processing Using MATLAB	Gatesmark Publishing	2009
5,	Oge Marques	Practical Image and Video Processing Using MATLAB	Wiley-IEEE Press	2011

Table 5.2 Course specification

Course:		English Language for GRID 1
Course id:	EJF5	
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:

Introduction to the basics of the English for Specific Purposes. Mastering professional and scientific texts from diverse areas related to the graphic engineering in order to learn professional terminology related to definitions, classifications, terms and notions adapted in contemporary European and worldwide standards. Expending the English language knowledge by learning new vocabulary, complex words and the usage of prefixes and suffixes, and adopting grammar and language structures characteristic for the English for Specific Purposes.

2. Educational outcomes (acquired knowledge):

Enabling students to obtain satisfactory knowledge and skills on a professional level for the communication with clients, colleagues and employers in the English language.

3. Course content/structure:

Adequate professional texts in the following areas: print media, introduction to printing, media printing, traditional and digital printing, printing methods, packaging, paper, ink, typography, future trends.

4. Teaching methods:

Teaching is performed using the communication method, After a short introduction into a certain topic, students read the text for themselves. This is followed by a discussion on the topics mentioned in the text and on the conclusions offered by the text. A part of the class is dedicated to adopting and practicing new vocabulary using oral and written exercises, as well as to repeating and expanding knowledge on individual grammar structures. Students are encouraged, while working in groups and entering a discussion, to communicate in English as much as possible.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Vesna Bogdanović, Ivana Mirović	Engleski jezik 2 za grafičko inženjerstvo i dizajn	Fakultet tehnickih nauka, Novi Sad	2007
2,	Branko Vukičević	Rečnik štamparstva i izdavaštva	Jezikoslovac, Beograd	2005

Table 5.2 Course specification

Course:		German Language for GRID 1
Course id:	NJ05	
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:

Expansion of vocabulary related to everyday situations. Vocabulary is in accordance with the advanced level of language knowledge. Learning more complex grammatical structures.

2. Educational outcomes (acquired knowledge):

Students discuss on various given topics without difficulties, they provide arguments for their attitudes.

3. Course content/structure:

Practical part of the course: mastering the description of everyday, complex situations, both orally and in writing. Theoretical part of the course: adjective position in a sentence, position of main and dependent clause, negation, usage of three past tenses, compounds.

4. Teaching methods:

Emphasis is on the communication method, and hence on students` activity during the class. During the communication, mutual interaction is essential. There are also a certain number of grammar exercises related to teaching content.

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,	Michaela Perlmann-Balme, Susanne Schwalb	Em Hauptkurs (Lektion 1-Lektion 4)	Hueber Velag	2000

Table 5.2 Course specification

Course:		Creative Calligraphy
Course id:	F412I1	
Number of ECTS:	2	
Teachers:		Nedeljković M. Slobodan, Jureša P. Goran
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:

The aim of the course is to meet the creative needs of students who wish to learn handwritten print preceding the book development. Calligraphy is art of fine writing, a form of creative handwriting and can be perceived as an art itself. The students will be able to accomplish the optimum level of creative handwriting. The practical work on handwritten forms will present the complexity and beauty of creative calligraphy.

2. Educational outcomes (acquired knowledge):

The acquired knowledge is used in the field for purposes of an individual and further education. With Working on beautiful calligraphic manuscripts and printing skills the students will develop a sense of beauty, which is the key to developing a good "taste".

3. Course content/structure:

Creative Calligraphy course includes theoretical and practical part. The lectures in the theoretical part of the course include the following topics: • Calligraphy, the concept of the subject • Roman capital letters • Uncial and half uncial script • Constitution • Black letters • National Letters • Caroline minuscule • Italic calligraphy • Initials and monograms • Book ornamentation • Zacharias Orfelin Calligraphy • Contemporary calligraphy/ Spencerian script / Lubalin, Karnas, Lester, Bantjes. The practical part of the course include the following topics: • Writing with a quill • Writing with a brush

4. Teaching methods:

Lectures, Consultations

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	5.00	Oral part of the exam	No	10.00
Project	Yes	45.00	Practical part of the exam - tasks	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Nedeljković, M; Nedeljković, S.	Grafičko oblikovanje i pismo	Zavod za udžbenike i nastavna sredstva, Beograd	2006
2,	Eraković, T.	Vratimo se lepom pisanju : osvrt na istorijski razvoj pismovnih oblika kaligrafije i tipografije	Grafoofset, Sremska Kamenica	1995
3,	Nedeljković, S; Nedeljković, U.	Pismo i tipografija	Fakultet tehničkih nauka	2012
4,	Fileki, S.	26+30 Pismo: istorija pisma i tipografije sa poukama za umetničku i pedagošku praksu	Univerzitet umetnosti, Beograd	2010

Table 5.2 Course specification

Course:		Design for all
Course id:	F412I2	
Number of ECTS:	2	
Teacher:		Atanacković-Jeličić T. Jelena
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Introduction to principles of design for all on different levels of spatial representation and theoretical understanding.

2. Educational outcomes (acquired knowledge):

Universal design or "design for all" is emerging as a significant concept of thought in contemporary society that goes beyond mastery of different types of physical barriers for people with permanent or temporary disability status to the spheres of equal access to information, marketing, industrial design, and communication and the sphere of architectural, artistic activities and cultural activities in general.

3. Course content/structure:

Definition, origin and development of the principles of universal design, design of different spatial levels in accordance with these principles (urban area, "Design for All" through architectural projects, interior space, at the level of the furniture); application of the principle to cases in the areas of industrial design, implementation in graphic design, and the possible development of new trends

4. Teaching methods:

Lectures, written exam.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Najbolja međunarodna iskustva u primeni univerzalnog dizajna, , http://www.gaates.org/documents/BP_sr.pdf		2010
2,	Počuč, M	Univerzalni dizajn i dizajn za sve, http://www.inkluzija.org/biblioteka/rscprezentacijazaLI		2010

Table 5.2 Course specification

Course:	Graphic Systems
Course id: F306	
Number of ECTS: 6	
Teachers:	Novaković M. Dragoljub, Kašiković D. Nemanja
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

To enable students for independence in acquiring and applying professional knowledge in the field of graphic engineering and design.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in profession, individual work, and in further education.

3. Course content/structure:

Classification of graphic systems, basic structure of graphic systems, graphic systems in graphic processes, basic mechanisms in graphic systems, structure of graphic systems. Basic construction concepts (plate to plate, cylinder to plate, rotational systems). Graphic printing systems: letterpress printing, gravure printing, lithography printing, screen printing, digital printing, hybrid graphic systems and special graphic systems. Graphic systems for finishing, graphic systems for packaging and graphic materials, complex graphic systems, elements of complex graphic systems, Maintenance and repair of graphic systems, testing and quality of graphic systems

4. Teaching methods:

Teaching is held using contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures, followed by the examples and solution simulation for better understanding of the course content. Computer practice are organized in a manner as to supplement the graphic technology skills, and laboratory practice are used to practically apply the acquired knowledge using the available laboratory equipment. Apart from lectures and practice, tutorials are regularly held.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	40.00
Computer exercise attendance	Yes	2.00	Oral part of the exam	Yes	30.00
Laboratory exercise attendance	Yes	3.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković, D.	Grafički sistemi, skripta	FTN, Grafičko inženjerstvo, Novi Sad	2004
2,	MacPhee J.	Fundamentals of Lithographic Printing	GATF Press, Pittsburgh	1998
3,	Goldmann G.	The World of Printers	Oce Printing Systems GmbH	2004

Table 5.2 Course specification

Course:	Graphic Design
Course id: F401	
Number of ECTS: 6	
Teachers:	Nedeljković S. Uroš, Jureša P. 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:

The course was designed consulting contemporary discourse of graphic design, which means that in addition to the visual and practical design form it explores its capabilities in the context. Therefore, the ultimate goal of the course is for the student to be able to implement the accumulated knowledge from various disciplines, and with the use of symbols and appropriate content, and placing them in their proper context, provide affordable and effective communication to the addressee, that is, the end user.

2. Educational outcomes (acquired knowledge):

It is of great importance to the education program of graphic designers to include relevant aspects from different disciplines, as an element of context in the contemporary understanding of graphic design, such as: semiotics, sociology, politics, mostly applied psychology. Concerning the developing ties between the graphic design and broader context of the humanities-social sciences, students have the opportunity to experience the real potential of this field.

3. Course content/structure:

Graphic Design course includes theoretical and practical part.
The lectures in the theoretical part of the course include the following topics:
•Graphic design definition and concept of the subject / contemporary discourse
•Graphic design as communication and process
•Propaganda / Methods and techniques of propaganda
•Propaganda Posters
•Selection of the effective propaganda theme
•The instincts and appeals in advertising
•Expressive means of graphic design
•The historzy of poster
•Registers and levels of advertising code / Verbal message register
•Registers and levels of advertising codes / Visual message register
•Editorial design
•The history of editorial design / modernism, postmodernism, deconstructionism
The exercise in the practical part of the course include the following topics:
•Design of promotional poster
•Design of promotional ad
•Commercial photography
•Product photography
•Direct design means of advertising / Flyer design
•Cover page design
•Layout design

4. Teaching methods:

Lectures, computer (C) practice, consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Graphic paper	Yes	20.00	Oral part of the exam	Yes	20.00
Graphic paper	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Miodrag Nedeljković	Marketinški priručnik	D.O.O. "Dnevnik - Novine i časopisi"	2001
2,	Fruht, M. Rakić M., Rakić I.	Grafički dizajn kreacija za tržište	Zavod za izdavanje udžbenika i nastavnih sredstava, Beograd	2004
3,	Nedeljković, S; Nedeljković, M;	Grafičko oblikovanje i pismo	Zavod za udžbenike i nastavna sredstva, Beograd	2006

Literature

Ord.	Author	Title	Publisher	Year
4,	Hembree, R.	Kompletan grafički dizajn	Don vas Beograd	2008
5,	Messaris, P.	Visual Persuasion	Sage Publications, Inc.	1997

Table 5.2 Course specification

Course:		Production Systems
Course id:	II1053	
Number of ECTS:	5	
Teachers:		Ćosić P. Ilija, Lazarević M. Milovan, Čuš -. Franci
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The aim of the course is to enable students for developing and designing product systems, defining their characteristics, and designing production processes that take place within them. Students master tools for designing the system structure and the working process and acquire foundations for designing energy systems. During classes, students acquire knowledge necessary for determining the spatial distribution of system elements as a manner of selecting micro and macro locations.

2. Educational outcomes (acquired knowledge):

Student will be prepared to develop and design a production system, to recognize and understand the importance of production and product as an essential objective of the production system, as well as to learn basic determinations related to the energy support to the system functioning. During lectures, practice and practical work, students obtain knowledge on a company as an integrated unity of production and other system functions, i.e. the flows of materials, energy and information.

3. Course content/structure:

Theoretical lectures: Basic elements of a production system. Development conditions of production systems. Product and production programme. Working process and system capacity. Forming material flows. Individual approach in flow formation. Group approach in flow formation. General model of material flows. Balancing flows in a system. Forming flows in service systems. Forming the production system structure. Process approach in structure formation. Object approach in structure formation. Basic foundations for structure formation. Determining the system elements. Modelling the spatial system structures. Modelling the energy flows. Determining energy demands. Designing energy structures. Location of production systems. Determining the system location in narrow and wider sense. Outsourcing functions or processes to another location or in another production system. Conditions for outsourcing, dividing responsibility and competences, managing the working processes. Organizational readiness for accepting contemporary technological solutions. Simulation of production systems.
Practical classes: Discussions with practical examples of production systems from developed countries and the region countries. Analysis on system structures. Elaboration of a seminar paper in a real system. Interactive work and acquiring knowledge in laboratory conditions.

4. Teaching methods:

Oral presentations with slides from a video projection. Usage of tables and handouts for practice, work in a laboratory and visits to real contemporary business systems

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Zelenović, D.	PROJEKTOVANjE PROIZVODNIH SISTEMA	Naučna knjiga	2009
2,	Zelenović, D., Ćosić, I., Maksimović, R.	PROJEKTOVANjE PROIZVODNIH SISTEMA-priručnik za vežbe	FTN Novi Sad	2003
3,	Zelenović, D., Ćosić, I., Maksimović, R., Maksimović, A.	Priručnik za projektovanje proizvodnih sistema - pojedinačni prilaz	FTN Novi Sad	2003

Table 5.2 Course specification

Course:		Professional Practice
Course id:	F305	
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	4

Precondition courses: None

1. Educational goal:

To acquire direct knowledge on functioning and the organization of a company and an institution dealing with jobs within the profession for which the student is studying, as well as the possibility of applying the previously obtained knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students for applying previously acquired theoretical and specific knowledge for solving practical engineering problems within the selected companies or institutions. Introducing students to the activities of the selected companies or institutions, the manners of doing business, management, as well as engineer`s position and role in their organizational structures.

3. Course content/structure:

- Introduction to a concrete production process in a graphic company.
- Organization of a graphic production.
- Business functions.
- Department for advancement and development.
- Preparation for graphic production.
- Technical and technological preparation.
- Graphic modelling and product design.
- Operational production preparation.
- Production of graphic products.
- Graphic systems in a production process.
- Maintenance and repair.
- Quality and quality control.
- Admission and finishing control.
- Safety at work.
- Environmental protection.

Concrete programme: Concrete programme for the professional practice is supplemented by the specifications of the working organization in which the student takes the professional practice.

4. Teaching methods:

Practical engineering work in a graphic company. Consultations and writing a diary of professional practice, in which a student describes activities and works being done during the professional practice.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Novaković D.	Upustvo za izvođenje stručne prakse	FTN Grafičko inženjerstvo i dizajn	2004

Table 5.2 Course specification

Course:		Bachelor Thesis
Course id:	F309ZR	
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 practical problems within the selected area. Students investigate the problem, its structure and complexity, and based on conducted analysis, they draw conclusions on the possible modes of solving. Researching the literature, students are introduced to the methods for solving similar tasks, and the practice in their solving. Obtaining the knowledge on modes, structure and form of writing a report after the conducted analyses and other activities within the set topic of the final thesis. By elaborating the final thesis, students acquire experience for writing their theses where it is necessary to describe problems, conducted methods and procedures, as well as results obtained. Furthermore, the objective of elaborating and defending the final thesis is to develop the ability to use the results of individual work and prepare it in an adequate form to be publicly presented,

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

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

Table 5.2 Course specification

Course:		English Language for GRID 2
Course id:	EJF6	
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:

Improvement of the English for specific purposes. Students continue to read professional and scientific texts from diverse areas related to graphic engineering in order to adopt professional terminology in accordance with the definitions, classifications, terminology and notions adopted in contemporary European and worldwide standards. They expand the English language knowledge by expanding their vocabulary. They learn more complex language structures and the usage of relative clauses.

2. Educational outcomes (acquired knowledge):

Enabling students to acquire enough adequate knowledge and skills on the professional level, in order to have the ability for equal communication with clients, colleagues and employers in the English language.

3. Course content/structure:

Professional texts in the following fields: colour, printing technologies, competition, ink, printing presses and their parts, technical specifications, graphs, printing in the future..

4. Teaching methods:

The communication method is used. After a short introduction into a certain topic, students read the text for themselves. It is followed by a discussion on the topics written in the text and on the conclusions that the text offers. A part of the class is dedicated to adopting and practicing new vocabulary using oral and written exercises, as well as repeating and expanding knowledge on individual grammatical forms. Students are encouraged for group work and mutual discussion where they communicate in the English language.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Vesna Bogdanović, Ivana Mirović	Engleski jezik 2 za grafičko inženjerstvo i dizajn	Fakultet tehnickih nauka, Novi Sad	2007
2,	Branko Vukičević	Rečnik štamparstva i izdavaštva	Jezikoslovac, Beograd	2005

Table 5.2 Course specification

Course:		German Language for GRID 2
Course id:	NJ06	
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:

Improving the vocabulary related to complex everyday situations, as well as mastering complex language structures.

2. Educational outcomes (acquired knowledge):

Students have mastered both oral and written language in a wide spectre of everyday situations. They understand a listened text without any difficulties.

3. Course content/structure:

Practical part of the course: mastering the description of everyday, complex situations, both orally and in writing. Theoretical part of the course: causal, effect and conditional clauses; prepositions, conjunctive 2; final, adversative, concessive and modal linking words; linking words and prepositions, passive, alternative forms for passive, participles, relative clauses.

4. Teaching methods:

Emphasis is on the communication method, and hence on students` activity during the class. During the communication, mutual interaction is essential. There are also a certain number of grammar exercises related to teaching content.

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,	Michaela Perlmann-Balme, Susanne Schwalb	Em Hauptkurs (Lektion 5-Lektion 8)	Hueber Verlag	2000

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme is consistent with the modern world`s scientific developments and the status of the profession, and comparable to similar programmes in foreign higher education institutions.
The study programme of the Bachelor academic studies in Graphic Engineering and Design is designed to be complete and comprehensive and offers students the latest knowledge in this field.
The study programme in Bachelor academic studies in Graphic Engineering and Design is comparable to and in compliance with:
1.Faculty for Graphic Engineering, Zagreb, Croatia
2.Faculty for Graphic Engineering, Chemnitz, Germany
3.Faculty for Graphic Engineering, Stuttgart, Germany
4.Faculty for Graphic Engineering, Ljubljana, Slovenia
5.Faculty for Graphic Engineering, Bitola, FYR Macedonia

Standard 07. Student Enrollment

Faculty of Technical Sciences, in accordance with social demands and its resources, enrols certain number of students to the undergraduate academic studies in Graphic Engineering and Design, as budget financed or self financed students, which is defined by the special decision of the teaching and research faculty council and the founder. Student selection and enrolment of the applied candidates is based on their success in the previous education and entrance examination defined by the Rules of student enrolment to the study programmes.
Students from other study programmes, as well as individuals, who completed different undergraduate academic studies, may enrol to this study programme. Thereby the Evaluation Committee evaluates the passed examinations and other student activities relevant for the enrolment, and based on the recognized number of credits, determines the year of study on which the student may enrol. Passed courses and evaluation of activities are thereby recognized fully, partially (the committee may require adequate supplement), or are not 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 minimal number of points a student can obtain by fulfilling the course prerequisites during classes is 30, the maximum 70.
Each course at the study programme has a clear and transparent mode of obtaining points. There are several ways students can obtain points: by participating in different activities during classes, by fulfilling the course prerequisites and by passing the course examination.
The final success of students at a course is presented with a grade 5 (fail) to 10 (excellent). The student`s grade is based on the overall number of points obtained on fulfilling prerequisites and taking the examination, and in accordance with the quality of acquired knowledge and skills.
Advancement of students during education is defined by the Rules of Studying at the Undergraduate Academic Studies.

Standard 09. Teaching Staff

For the realization of the study programme of the undergraduate academic studies in Graphic Engineering and Design, there is teaching staff with necessary professional and scientific qualifications.
The number of lecturers coincides with the demands of the study programme and depends on the number of courses they lecture and the number of classes at these courses. The total number of teachers is sufficient to cover the total number of classes on the study programme, so each teacher has an average of 180 active classes (lectures, tutorials, practice classes, field classes) per year, i.e. 6 classes per week.
The number of associates corresponds to the needs of the study programme. Total number of associates at the study programme is sufficient for the realization of total number of classes in the programme, so that the associates have average 300 classes of active teaching annually, that is, 10 classes per week on average.
Scientific and professional qualifications of the teaching staff relate to the educational and scientific field and the level of their participation. Each teacher has adequate references from the narrow scientific or professional field in which they lecture on the study programme. All data on teachers and associates (CV, titles obtained, references) are available to the public.
The size of the lecture group is determined in accordance to the number of students in the academic year. Practice groups are formed according to the type of the practice, computer practice are up to 16 students, and laboratory practice groups are up to 12 students.

Science, arts and professional qualifications

Name and last name:	Aleksić Ž. Milan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Art Applied to Architecture, Technics and Design

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Philology and Arts - Kragujevac	Art Applied to Architecture, Technics and Design
Magister thesis	1989	Essex university - Nepoznato	Fine Arts
Bachelor's thesis	1982	University of Belgrade - 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.	F504I3	Photography	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	A603	Photography and architecture	(A00) Architecture, Undergraduate Academic Studies
3.	ASI17D	Photography in Scenic Design	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
4.	ASO11	Photography in Scenic Design	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
5.	SDO1	Scenic phenomena in contemporary arts	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Samostalna izložba, Mrtva priroda, Muzej savremene umetnosti, Skoplje 1993
2.	Samostalna izložba, Loše održavanje, Muzej primenjene umetnosti, Beograd 2006
3.	Samostalna izložba, Mrtva priroda, Salon muzeja savremene umetnosti, Beograd 1994
4.	Grupna izložba, Blizu i daleko, Fotografska galerija, London 1999
5.	Grupna izložba, O normalnosti, umetnost u Srbiji 1989-2001, Muzej savremene umetnosti, Beograd 2005
6.	Knjiga, Loše održavanje, MPU Beograd 2006
7.	Umetnički direktor galerije Artget, Beogradski kulturni centar, 2006-2007
8.	Samostalna izložba, Floating Gallery, Winnipeg, Canada, 2001
9.	Samostalna izložba, Hartell Gallery, Ithaca, USA, 1989
10.	Radovi u kolekciji Muzeja savremene umetnosti, Beograd

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:	Atanacković-Jeličić T. Jelena
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	17.09.2001
Scientific or art field:	Architectural-Urbanistic Planning, Design and Theory

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory

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

	ID	Course name	Study programme name, study type
1.	A371	Architectural Design 3	(A00) Architecture, Undergraduate Academic Studies
2.	F412I2	Design for all	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	A231	Housing 1	(A00) Architecture, Undergraduate Academic Studies
4.	A341	Housing 2	(A00) Architecture, Undergraduate Academic Studies
5.	A363	Interior Design 1	(A00) Architecture, Undergraduate Academic Studies
6.	A602	Contemporary theories and technologies applied to architecture, urbanism and design	(A00) Architecture, Undergraduate Academic Studies
7.	A801	Synthesis project	(A00) Architecture, Undergraduate Academic Studies
8.	ASI282	Interior design	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
9.	ASI331	Design for all in arts and culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
10.	RPR007	Strategic Management in Urban Planning	(RPR) Regional Development Planning and Management, Master Academic Studies
11.	RPR012	City Management	(RPR) Regional Development Planning and Management, Master Academic Studies
12.	A010S	Contemporary theories in architecture and urbanism-selected chapters	(A00) Architecture, Specialised Academic Studies
13.	A118S	Contemporrary technologies applied to architecture and urbanism	(A00) Architecture, Specialised Academic Studies
14.	AE03	Interior Design	(AH0) Architecture, Master Academic Studies
15.	AT04	Contemporary theories and technologies applied to architecture, urbanism and design 1	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies (AH0) Architecture, Master Academic Studies
16.	AT05	Contemporary theories and technologies applied to architecture, urbanism and design 2	(AH0) Architecture, Master Academic Studies
17.	AUP05	Interior Design 3	(AH0) Architecture, Master Academic Studies
18.	A010	Contemporary theories in architecture and urbanism-selected chapters	(A00) Architecture, Doctoral Academic Studies
19.	A118	Contemporary technologies applied to architecture and urbanism	(A00) Architecture, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Štulic, Radovan; Atanacković, Jelena: Implementation of computer technologies in descriptive geometry teaching: surfaces of revolution, Journal Facta Universitatis, 2003, Vol. 2, No. 5, str. 379- 385
2.	Atanacković-Jeličić, J: O održivom razvoju, kutijama i Vilijemu Okamu (On sustainable development, boxes and William of Ockham), U: Dadić-Dinulović, T: Srbija: Moj slučaj/ Serbia: My Case, Beograd: Clio, British Council Serbia, 2008, ISBN 978-86-908463-1-3. str. 182- 202.
3.	Reba, D; Dinulović, R; Atanacković Jeličić, J; Kostreš, M: Now/Sada:Teaching by Design/Italy Now, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2011, ISBN 978-86-7892-365-4
4.	Kostreš, M; Maraš, I; Atanacković Jeličić, J: Re-viewing Cityscapes, Facta Universitatis, Series: Architecture and Civil Engineering, Vol. 5, No. 1, 2007, pp. 77-85, ISSN 0354 – 4605

Representative refferences (minimum 5, not more than 10)

5.	Kostreš, M; Maraš, I; Atanacković Jeličić, J: "Design Tool for Making Meaning - Rebuilding "the Lost Communities" on the Outskirts of the Cities in Serbia", BDC Journal – Bollettino del Dipartimento do Conservazione dei Beni Archiutettonici ed Ambientali, Universita degli Studi di Napoli Federico II, Vol. 9, No. 1, 2009, pp. 82-92, ISSN 1121-2918
6.	Glavni arhitektonsko/građevinski projekat Centralne zgrade Univerziteta u Novom Sadu (projektovan 2008, u izvođenju 2011-2012); deo projektantskog tima u sastavu: Igor Maraš, dr Jelena Atanacković Jeličić, mr Milica Kostreš, Marko Todorov, Marija Dorić, dr Darko Reba; Prikazano na međunarodnoj izložbi ""NOW/SADA" (8-26. decembar 2011. godine) sa dvojezičnim katalogom Now/Sada:Teaching by Design/Italy Now, str. 7-10, ISBN 978-86-7892-365-4
7.	Otkupna nagrada na međunarodnom konkursu za zgradu Muzeja savremene umetnosti Vojvodine, deo projektantskog tima u sastavu Jelena Atanacković Jeličić, Stanislav Grgić, Emir Hadžiahmetović, Ivana Miškeljin, Bojana Miškeljin, Marko Todorov. Prikazano u dvojezičnom katalogu izložbe pristiglih radova na konkurs (67 konkursnih rešenja, iz 11 zemalja centralne i jugoistočne Evrope) New Museum-The Museum of Contemporary Art Vojvodina, Project Exhibition: Architectural Design for a New Building of the Museum of Contemporary Art Vojvodina, January 27-Jun 27, 2007, MOCAV 033 i prikazano na međunarodnoj izložbi ""NOW/SADA" (8-26. decembar 2011. godine) sa dvojezičnim katalogom Now/Sada:Teaching by Design/Italy Now, str. 55-58, ISBN 978-86-7892-365-4. Sastav međunarodnog žirija: Odile Seyler (Francuska), Živko Grozdanić (direktor Muzeja savremene umetnosti Vojvodine), prof. dr Kokan Grčev (Društvo arhitekata Makedonije) , mr Tomaž Kancler (Društvo arhitekata Maribora, Slovenija), akademik prof. Bran
8.	Zeković, M; Konstantinović, D; Atanacković-Jeličić, J: Architectural Design - as it is taught at the Department of Architecture, logiA - The studio of Architecture, 2007, Faculty of Architecture, University of Cluj, Romania, http://www.utcluj.ro/logia/index_en.html
9.	Aerodrom Čenej, idejno rešenje, maketa i prezentacija. Autorski tim: Todorov Marko, Miškeljin Ivana, Tihomir Janjušević, Dejan Ecet, Radomir Kojić, Igor Maraš, Jelena Atanacković Jeličić. Izložba u holu zgrade Vlade Vojvodine, od 4.5.-11.5.2012. Prikazano u "Aerodrom Čenej- prateća publikacija", Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, Novi Sad, 2012, ukupno strana 47, ISBN 987-7892-398-2, dostupno i na http://arhns.com
10.	Izložba: Atanacković-Jeličić, J; Grgić, S; Hadžiahmetović, E; Miškeljin, B; Miškeljin, I; Todorov, M: Kutija - mikrosvet nacionalne kulture, Dom omladine, Galerija "Magacin", 23. februar - 1. mart, Beograd, 2008.

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

1. 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
2. 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
3. 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
4. Kirin S., Sedmak A., Grubić-Nešić L., Ćosić I.: Project risk management in complex petrochemical system, Hemijska industrija, 2012, pp. 52-52, ISSN 0354-7531, UDK: doi:10.2298/HEMIND110709052K
5. Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248
6. Kirin S., Grubić-Nešić L., Ćosić I.: Increasing a large petrochemical company by improvement of decision making process, Hemijska industrija, 2010, Vol. 64, No 5, pp. 465-472, ISSN 0367-598X
7. Tešić Z., Lalić D., Ćosić I., Mitrović V.: Integration of information for manufacturing shop control, Strojniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No 3, pp. 217-223, ISSN 0039-2480
8. Ćosić I., Govedarica M., Živković B.: Developement of Object-Oriented Intelligent Database Model, 1. International Conference on Technical Informatics, Temišvar, 16-19 Novembar, 1994, pp. 60-65
9. Novaković D., Ćosić I.: System model of an automated design of complex graphic systems, Novi Sad, Faculty of technical sciences, Machine Design, 2007, str. 65-70, ISBN 867892038-6
10. Lalić B., Ćosić I., Anišić Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS , International journal of Simulation Modelling-IJSIMM, 2005, Vol. 4, No 4, pp. 173-183, ISSN 1726-4529

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Graphic Engineering and Design

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

1. Gak Dragana, Lorejn Hansberi i (afro) američka porodica, Zadužbina Andrejević, Beograd, 2012
2. Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str. 705-709, Beograd, 2009.
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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.
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7. Gak Dragana, Textbook - An Important Element in the Teaching Process, Metodički vidici, Filozofski fakultet Novi Sad, str.78-82, Novi Sad, 2011.

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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:	Glavardanov B. Valentin
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	17.05.1990
Scientific or art field:	Deformable Body Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
PhD thesis	1997	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	1995	Faculty of Mathematics - Beograd	Deformable Body Mechanics
Bachelor's thesis	1989	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics

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

	ID	Course name	Study programme name, study type
1.	F107	Technical Mechanics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
3.	M204	Strength of Materials	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	M2412	Theory of Elasticity	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	M4302	Biomechanics and mechanics of sport	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
6.	M4304	Advanced strength of materials	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	M4306	Similarity and dimensional methods	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M4401	Continuum mechanics	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	URZP14	Fundamentals of Mechanical Engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	BMI128	Continuum Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44041	Dynamics of non-smooth mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M4504	Thermal Elasticity	(M40) Technical Mechanics and Technical Design, Master Academic Studies
14.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
15.	DM402	Selected Chapters in Elasticity Theory	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
16.	DM404	Selected Chapters in Mechanics of Continuum	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
17.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	FDS143	Selected Chapters in Technical Mechanics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
19.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)	
1.	Spasic D.T., Glavardanov B.V.: Stability of a rigid sphere supported by a thin elastic column, European Journal of Mechanics A-Solids, vol. 15, No 2, pp 337-350,1996
2.	Atanackovic M.T., Glavardanov B.V.: Twisted axially loaded rod with shear and compressibility, Acta Mechanica, vol.119, pp 119-130, 1996
3.	V. B. Glavardanov and T. M. Atanackovic, Stability of a pipe through which a sring is pulled. Int. J. Non-Linear Mechanics 35, 7–20 (2000).
4.	V. B. Glavardanov and T. M. Atanackovic, Optimal shape of a twisted compressed rod. European Journal of Mechanics A-Solids, 20, 795–809 (2001).
5.	T. M. Atanackovic, V. B. Glavardanov, Buckling of a twisted and compressed rod. International Journal of Solids and Structures, 39, 2987-2999 (2002)
6.	R.B. Maretić, V. B. Glavardanov, Stability of a Rotating Heated Circular Plate With Elastic Edge Support, Journal of Applied Mechanics-Transaction of the ASME, 71, 896-899, (2004)
7.	Valentin Glavardanov: Zbirka rešenih zadataka iz teorije elastičnosti, FTN, Novi Sad, 2003.
8.	T.M. Atanacković, V.B. Glavardanov: ”Optimal shape of a heavy compressed column”, Structural and Multidisciplinary Optimization, 28, 388-396, (2004)
9.	R. Maretic, V. Glavardanov and V. Mitic, Vibration and Stability of a Heavy and Heated Vertical Circular Plate, International Journal of Structural Stability and Dynamics, vol 10, No 5,1111-1121, 2010
10.	Glavaradnov V, Maretic R, Stability of a twisted and compressed clamped rod, Acta Mechanica, 202, 17-33, 2009

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	2			
Total of SCI(SSCI) list papers :	14			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Govedarica J. Miro
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	22.02.1994
Scientific or art field:	Geodesy and Geomatics Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Geodesy and Geomatics Engineering
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Geoinformatics
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1987	Faculty of Civil Engineering - Sarajevo	Geodesy

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

	ID	Course name	Study programme name, study type
1.	AU54	Geoinformation Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	E241	Geospatial Technologies	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	F114	Graphic applications	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	GI003	Geospatial Data Infrastructure	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI020	Laser Scanning of Terrain and Objects	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	GI025B	Geodetic Metrology	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	GI211	Geoinformatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
8.	GI408A	Geospatial Databases	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
9.	URZP44	Application of geoinformation technology in risk management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	Z410A	Geospatial technologies and systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	Z410	Geoinformacione tehnologije i sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	BM119A	The application of geoinformation technologies and systems in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
13.	GG99	Geospatial technologies - basics	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
14.	GI207	GNSS basics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
15.	GI209	Photogrammetry	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
16.	GI406A	Fundamentals of Remote Sensing and Image Processing	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
17.	ZC028	Geospatial technologies and systems	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
18.	GI501	Geoportals and Geospatial Services	(GI0) Geodesy and Geomatics, Master Academic Studies
19.	GI502	Location Based Services	(GI0) Geodesy and Geomatics, Master Academic Studies
20.	GI504	Advanced Techniques of Laser Scanning	(GI0) Geodesy and Geomatics, Master Academic Studies
21.	GI517	Digital Photogrammetry	(GI0) Geodesy and Geomatics, Master Academic Studies
22.	GI518	Geodesy in City Planning	(GI0) Geodesy and Geomatics, Master Academic Studies
23.	GIAU05	Geoportals and Geoservices	(E20) Computing and Control 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.	GI531	Application of GNSS systems	(GI0) Geodesy and Geomatics, Master Academic Studies
25.	GI532	Advanced Remote Sensing Technologies	(GI0) Geodesy and Geomatics, Master Academic Studies
26.	GI534	Service oriented architecture in GIS	(GI0) Geodesy and Geomatics, Master Academic Studies
27.	GI536	Spatial and temporal databases	(GI0) Geodesy and Geomatics, Master Academic Studies
28.	GI540	Valuation of real estate	(GI0) Geodesy and Geomatics, Master Academic Studies
29.	GI700	Geospatial data visualization	(GI0) Geodesy and Geomatics, Master Academic Studies
30.	GIAU02	Position Based Services	(E20) Computing and Control Engineering, Master Academic Studies
31.	GIAU03	Remote Sensing and Computer Image Processing	(E20) Computing and Control Engineering, Master Academic Studies
32.	GIAU04	Geospatial data visualization	(E20) Computing and Control Engineering, Master Academic Studies
33.	SDGI01	Selected topics in geoinformation systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
34.	SDGI06	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Specialised Academic Studies
35.	SDGI08	Selected topics in laser scanning	(GI0) Geodesy and Geomatics, Specialised Academic Studies
36.	SDGI10	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Specialised Academic Studies
37.	SDGI13	Selected topics in spatial data infrastructure	(GI0) Geodesy and Geomatics, Specialised Academic Studies
38.	SDGI1C	Selected topics in geospatial data visualization	(GI0) Geodesy and Geomatics, Specialised Academic Studies
39.	SDGI1F	Selected topics in photogrammetry	(GI0) Geodesy and Geomatics, Specialised Academic Studies
40.	SDGI3C	Selected topics in Geoportals	(GI0) Geodesy and Geomatics, Specialised Academic Studies
41.	SDGI5D	Selected Chapters in the Mass Appraisal of Real Estate	(GI0) Geodesy and Geomatics, Specialised Academic Studies
42.	SDGI5F	Basic topics in remote sensing and image processing	(GI0) Geodesy and Geomatics, Specialised Academic Studies
43.	SDGI6A	Selected Chapters in Appraisal	(GI0) Geodesy and Geomatics, Specialised Academic Studies
44.	DAU011	Selected Chapters in Geographic Information Systems and Technologies	(E20) Computing and Control Engineering, Doctoral Academic Studies
45.	DGI001	Selected Chapters in Geoinformation Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
46.	DGI003	Selected Chapters in Photogrammetry and Remote Sensing	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
47.	DGI006	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
48.	DGI008	Selected Chapters in Laser Scanning	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
49.	DGI009	Selected Chapters in GNSS Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
50.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
51.	DGI013	Selected Chapters in Spatial Data Infrastructure and Standardization	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
52.	DGI019	Selected Chapters in Municipal Information Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ristić, A., Petrovački, D., Govedarica, M.: A New Method to Simultaneously Estimate the Radius of a Cylindrical Object and the Wave Propagation Velocity from GPR Data, Computers & Geosciences, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004
2. Mogin P, Luković I, Govedarica M, "Principi projektovanja baza podataka", II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad,2004, ISBN: 86-80249-81-5, 700 str.
3. Govedarica Miro, Borisov Mirko,
THE ANALYSIS OF DATA QUALITY OF TOPOGRAPHIC MAPS,
JOURNAL GEODETSKI VESTNIK
(IF 2010 0.215) ISSN 0351-0271

Representative refferences (minimum 5, not more than 10)

4.	Miro Govedarica, Dušan Petrovački, Dubravka Sladić, Aleksandra Ristić, Dušan Jovanović, Vladimir Pajić, Milan Vrtunski, Aleksandar Ristic ENVIRONMENTAL DATA IN SERBIAN SPATIAL DATA INFRASTRUCTURE - GEOPORTAL OF ECOLOGY Journal of Environmental Protection and Ecology JEPE 2011 (IF 2010 0.178)
5.	Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa, Ristic Aleksandar Metadata Catalogues in Spatial Information Systems (Review) GEODETSKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167)
6.	Jasmina Nedeljković Ostojić, Miro Govedarica, Toša Ninkov, Analysis of Structure Surveying Method by 3D Laser Scanners Geodetski list:glasilo Hrvatskoga geodetskog društva 65(88); 1; (2011) (IF 2010 0.038)
7.	Ristić A., Abolmasov B., Govedarica M., Petrovački D., Ristić A.: Shallow-landslide spatial structure interpretation using a multi-geophysical approach, Acta Geotechnica Slovenica, 2012, Vol. 9, No 1/2012, pp. 47-59, ISSN 1854-0171
8.	Tosa Ninkov, Miro Govedarica, Milan Trifkovic, One Method of Renewal of Stereographics Survey Data in Coka Municipality Geodetski list : glasilo Hrvatskoga geodetskog društva 66(89) (2012), 4;
9.	Luković I, Mogin P, Govedarica M, Ristić S, "The Structure of A Subschema and Its XML Specification", Journal of Information and Organizational Sciences (JIOS), Varaždin, Croatia, ISSN: 0351-1804, Vol. 26, No. 1-2, 2002, pp. 69-85..
10.	Govedarica M, Miladinović M: Informacioni sistema katastara nepokretnosti – Terrasoft, Geodetska služba, 2002, Vol. XXXI, No. 92, str. 16- 27, ISSN 0350-7971

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

Quotation total :	8			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	5	International :	1

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

1.	Leković B., Ivanišević A., Marić B., Demko-Rihter J.: ASSESSMENT OF THE MOST SIGNIFICANT IMPACTS OF ENVIRONMENT ON THE CHANGES IN COMPANY COST STRUCTURE, Economic Research, 2013
2.	Milovanović Z.N., Knežević D., Ivanišević A., Jocanović M., Mitrović S.: ECONOMICAL EVALUATION OF THE PROJECT ON REPLACEMENT OF HEATING PLANT WITH CO-GENERATION HEAT AND POWER PLANT BY THE END OF 2030., Metalurgia International, 2013, No.4
3.	Marić B., Ivanišević A.: THE EFFECT OF PERMANENT WORKING CAPITAL ON THE QUALITY OF INVESTMENT PROJECTS, Metalurgia International, 2013
4.	Marić B., Ivanišević A., Mitrović S., Sreto A., Mihailo R.: Analysis of internal rate of return on investments: Dynamic and static approach, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 3269-3273, ISSN 1993-8233
5.	Katić I, Ivanišević A., Penezić N., Lalić G., Tasić N.: EFFECTS OF FATIGUE TO OPERATIONAL PRODUCTIVITY WITH EMPLOYEES, Metalurgia International, 2013
6.	Mitrović S., Milisavljević S., Ćosić I., Leković B., Grubić-Nešić L., Ivanišević A.: Change in leadership styles in a transitional economy: A serbian case study, African Journal of Business Management, 2011, Vol. 5, No 9, pp. 3563-3569, ISSN 1993-8233
7.	Alpar Lošonc, Andrea Ivanišević, Slavica Mitrović „ Globalizacija-rešenja i dileme“ Monografija, Fakultet tehničkih nauka, Novic Sad, 2009. (ISBN 978-86-7892-207-7, COBISS.SR-ID 244134407. (1-263)
8.	Lošonc (Losoncz) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehnickih nauka, , 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871
9.	Razvoj sistema za planiranje praćenje i uskalđivanje ključnih segmenata poslovanja industrijskog distema u skaldu sa promena u okruženju, Fakultet tehničkih nauka Novi Sad, 2011
10.	Lošonc A., Radivojević R., Ivanišević A., Pejić S.: TOYOTISM AS A BASIS FOR CORPORATE CULTURE AND WORK ORGANIZATIONS, 1st International Scientific Conference on Lean Tehnologies, Novi Sad, Sertember 2012., pp. 100-106

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	3	International :	0

Science, arts and professional qualifications

Name and last name:	Ivanović V. Dragan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2007
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	2006	Faculty of Technical Sciences - Novi Sad	Informatics
Magister thesis	-		Applied Computer Science and Informatics

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

	ID	Course name	Study programme name, study type
1.	E2E40	XML and WEB Services	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	GG11	Fundamentals in Computing	(G00) Civil Engineering, Undergraduate Academic Studies
3.	ISIT20	Object-oriented Programming Platforms	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	ISIT32	Technologies and platforms for digital contents and documents management	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT41	eGovernment technologies and systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT47	E-learning tools and technologies	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SES301	IT Law	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	E2507	Digital Archives	(E20) Computing and Control Engineering, Master Academic Studies (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
11.	E2521	Business Process Management	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E2525	Contemporary educational technologies and standards	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies
14.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
15.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies
16.	DRNI13	Selected Topics in Scientific-research Activity managament	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ivanović, D., Surla, D. & Racković, M. (2010), “A CERIF data model extension for evaluation and quantitative expression of scientific research results”, Scientometrics, DOI 10.1007/s11192-010-0228-2, Vol. 86, No. 1, pp. 155-172
2. Ivanovic, L., Ivanovic, D., Surla, D. (2012), “A data model of theses and dissertations compatible with CERIF, Dublin Core and EDT-MS”, Online Information Review, Vol. 36, No. 4, pp. 568-586
3. Ivanović, D., Milosavljević, G., Milosavljević, B. & Surla, D. (2010), “A CERIF-compatible research management system based on the MARC 21 format”, Program: Electronic libarary and information systems, DOI: 10.1108/00330331011064249, Vol. 44, No. 3, pp. 229-251
4. Ivanović, D., Surla, D. & Konjović, Z. (2010), “CERIF compatible data model based on MARC 21 format”, The Electronic Library, DOI: 10.1108/02640471111111433, Vol. 29, No. 1, pp. 52-70
5. Milosavljević, G., Ivanović, D., Surla, D. & Milosavljević, B. (2010), “Automated Construction of the User Interface for a CERIF-Compliant Research Management System”, The Electronic Library, Vol. 29, No 5, pp. 565-588
6. Kovacevic, A., Ivanovic, D., Milosavljevic, B., Konjovic, Z., Surla, D. (2011), “Automatic extraction of metadata from scientific publications for CRIS systems”, Program: electronic library and information systems, Vol. 45, No. 4, pp.376 – 396, DOI: 10.1108/00330331111182094
7. Ivanović, L., Ivanović, D., Surla, D. (2012), Integration of a Research Management System and an OAI-PMH Compatible ETDs Repository at the University of Novi Sad, Republic of Serbia, Library resources and Technical services, Vol. 56, No. 2, pp. 104-112
8. Ivanović D., Surla D., Racković M.: Journal evaluation based on bibliometric indicators and the CERIF data model, Computer Science and Information Systems (ComSIS), 2012, Vol. 9, No 2, pp. 791-811, ISSN 1820-0214
9. Informacioni sistem naučno-istraživačke delatnosti
10. Ivanović D.: Sistemi za skladištenje naučnih sadržaja, Zadužbina Andrejević, 2011, ISBN 978-86-7244-916-7

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

Quotation total :	72			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Jeličić D. Zoran
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.1995
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

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

	ID	Course name	Study programme name, study type
1.	AU41	Digital Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E237	Optimization Methods	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E237A	Optimization Methods	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	F404	Modelling, Simulation and Control	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GI005	Intelligent Control Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
7.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
8.	BM118A	Nonlinear programming and optimal control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BM130A	Digital control systems in bioengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E2316	Real-time control systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
11.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
13.	AU511	Adaptive and Advanced Control	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies
14.	AT03	Optimization and control techniques in architectural design	(AH0) Architecture, Master Academic Studies
15.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
16.	DAU005	Selected Chapters in Optimization Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DAU010	Selected Chapters in Nonlinear Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DGI016	Selected Chapters in Systems and Signals	(GI0) Geodesy and Geomatics, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
19.	DAU005	Selected Chapters in Optimization Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Jeličić Z., Kulić F., Čongradac V., Kanović Ž., Živković S.,Praktikum Savremena merenja i instrumentacija iz programa Lifelong Learning, INDAS, 2003.
2.	Jeličić Zoran; Petrovački Nebojša; Optimality Conditions and a Solution Scheme For Fractional Optimal Control Problems, Structural and Multidisciplinary Optimization ISSN: 1615-147X ,Vol. 38, No. 6, Str. 571-581, Springer;
3.	Rapaić Milan; Pisano Alessandro; Jeličić Zoran; Usai Elio; Sliding mode control approaches to the robust regulation of linear multivariable fractional order dynamics - International Journal of Robust and Nonlinear Control Volume 20, Issue 18, pages 2045–2056, December 2010
4.	Rapaić Milan; Jeličić Zoran; Optimal control of a class of fractional heat diffusion systems , Nonlinear Dynamics Volume 62, Numbers 1-2, 39-51, DOI: 10.1007/s11071-010-9697-3 , Springer;
5.	Z. D. Jeličić, T. M. Atanacković, Optimal shape of a vertical rotating column, International Journal of Non-Linear Mechanics, 42, 172 – 179, (2007) .
6.	Zeljko Kanovic, Milan R Rapaic, Zoran D Jelicic, Generalized particle swarm optimization algorithm-Theoretical and empirical analysis with application in fault detection, Applied mathematics and computation, Volume 217, Issue 24, 15 August 2011, Pages 10175–10186.
7.	Jeličić, Z. D. Atanacković, T. M.,On an optimization problem for elastic rods, STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, (2006) vol.32 br.1 str. 59-64
8.	Milena Petković, Milan R Rapaić, Zoran D Jeličić, Alessandro Pisano, On-line adaptive clustering for process monitoring and fault detection, Expert Systems with Applications, Volume 39, Issue 11, 1 September 2012, Pages 10226–10235.
9.	T. M. Atanacković, Z. D. Jeličić, Optimal shape and deformations of a lifting line with winglets. Bulletin de l"Académie Serbe des Sciences et des Arts. Classe des Sciences techniques 29, 57-79 (2003).
10.	T. M. Atanackovic, Y. Huo, Z. Jelicic, I. Mueller, Phase diagrams modified by interfacial penalties, Theoret. Appl. Mech., Vol.34, No.4, pp. 301-338, Belgrade 2007.

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

Quotation total :	105			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	2	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 (AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
3.	NJ02L	German Language – Pre-Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	NJ05	German Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	NJ06	German Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

Name and last name:	Jureša P. Goran
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2005
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
PhD thesis	2010		Fine Arts
Magister thesis	2002	Academy of Arts - Novi Sad	Fine Arts
Bachelor's thesis	1998	Academy of Arts - Novi Sad	Fine Arts

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

	ID	Course name	Study programme name, study type
1.	F111	Visual Culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F112	Art and Culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F312	Fundamentals of spatial design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F401	Graphic Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F412I1	Creative Calligraphy	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	A315	The Processes in Artistic Creation	(A00) Architecture, Undergraduate Academic Studies
7.	F506	Spatial Design	(F00) Graphic Engineering and Design, Master Academic Studies
8.	F510I1	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
9.	F510I2	Character and movement design	(F00) Graphic Engineering and Design, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Jureša G.: Jasmina Čubrilo, Irina Subotić, Svetlana Mladenov, Dušan Todorović. Suzana Vuksanović, "Made in Novi Sad - Savremena umetnička scena", Galerija Tableau, Novi Sad, 2006., Novi Sad, Galerija Tableau, 2006, str. 90-93, ISBN 86-909377-0-6, UDK: 73/76(497.113)"19/20", 73/76.071.1(497.113):929"19/20"
2.	Jureša G.: Učešće na izložbi: “Umetnici Galerije Zvono”, Lavovski istorijski muzej, Kijev, Ukrajina, 2010
3.	Goran Jureša, "Istorija čokolade", Galerija savremene likovne umetnosti, Pančevo, 2012
4.	Goran Jureša, "Istorija čokolade", Kulturni centari,Vršac, 2012
5.	Jureša G.: Izlaganje rada u okviru "Novosadskog salona", Zbirka Rajka Mamuzića, Novi Sad, Kulturni centar Novog Sada, 2009
6.	Jureša G.: Učešće na izložbi: “Dialogues Paralleles”, Francuski kulturni centar, Beograd, Francuski kulturni centar, Beograd, 2009
7.	Jureša G.: Učešće na izložbi: “Dani sprske kulture u Rumuniji” Muzej umetnosti (Muzeul de Arta), Temišvar, Rumunija, 2009
8.	Jureša G.: Izlaganje u okviru projekta: “Umetnost u Vojvodini danas“, Muzej Savremene umetnosti Vojvodine, Novi Sad, Novi Sad, 2008
9.	Jureša G.: Samostalna izložba: "WOLFGANG", Galerija Zvono, Beograd, Beograd, Galerija ZVONO, 2008
10.	Goran Jureša, "Istorija čokolade",Galerija Zvono, 2010

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:	Karlović Đ. Igor
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2004
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Bachelor's thesis	2003	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design

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

	ID	Course name	Study programme name, study type
1.	F114	Graphic applications	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F208	Type and Typography	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F301	Reproduction Technology	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F304I1	Digital Photography	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F407	Colour Science	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	F411	Basics of game making	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
7.	F504I7	Digital Printing	(F00) Graphic Engineering and Design, Master Academic Studies
8.	F504I9	Colour Management	(F00) Graphic Engineering and Design, Master Academic Studies
9.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies
10.	FDS153	Colour and Image Appearance Models	(F00) Graphic Engineering and Design, Doctoral Academic Studies
11.	FDS222	Lightness and Colour Perception	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	I.Karlović, D. Novaković:Effect of Different Coating Amounts on the Surface Roughness and Print Gloss of Screen Coated Offset Prints, Journal of Imaging Science and Technology, March/April 2011
2.	Novaković, D., Karlović I.,Gojo M., Agić D.,:Utjecaj površinskog oplemenjivanja otiska na kolorimetrijske i vizualne karakteristike, Tekstil, ISSN: 0492-5882,Vol. 58, No. 8, Str. 384-392,
3.	Szydlowska-CzerniakAleksandra, Bartkowiak-Broda Iwona, Karlović Igor, Karlović Đerđ, SzlykEdward: Antioxidant capacity, total phenolics, glucosinolates and colour parameters of rapeseed cultivars,Food Chemistry ISSN: 0308-8146,127,2, pp 556-563
4.	Kasikovic Nemanja Novakovic Dragoljub Karlovic Igor Vladic Gojko:Influence of Ink Layers on the Quality of Ink Jet Printed Textile Materials,TEKSTIL VE KONFEKSIYON, (2012), vol. 22 br. 2, str. 115-124
5.	Reprodukciona tehnika,priručnik za vežbe, Novi Sad 2008, COBISS.SR-ID 234181639
6.	TOMIĆ I, KARLOVIĆ I:, NOVAKOVIĆ D.: Crna tačka i transformacija boja, Časopis Grafičar broj 8, pp 6-9, Savez grafičkih inženjera i tehničara Srbije, Beograd, 2009
7.	KARLOVIĆ I., NOVAKOVIĆ D., STIPANČEVIĆ T., TOMIĆ I.: UTICAJ POVRŠINSKOG OPLEMENJIVANJA UZORAKA SA RAZLIČITIM KOLIČINAMA VODODISPERZIVNIH LAKOVA NA VIZUELNI OSEĆAJ BOJA, Zbornik radova Četvrtog naučno-stručnog simpozijuma GRID 2008, pp. 155-164, Fakultet tehničkih nauka, Novi Sad, 2008
8.	NOVAKOVIĆ D., KARLOVIĆ I.,PAVLOVIĆ Ž., ZELJKOVIĆ Ž.:KARAKTERIZACIJA RAVNIH SKENERA U SISTEMIMA ZA UPRAVLJANJE BOJOM, XV Međunarodni simpozijum iz oblasti celuloze, papira, amabalaže i grafike Zlatibor, pp 101-107, Tehnološko-metalurški fakultet, Beograd, 2009
9.	NOVAKOVIĆ D., KARLOVIĆ I., GOJO M.: INFLUENCE OF THE SURFACE CHARACTERISTICS ON THE QUALITY OF THE OFFSET PRINTING PLATE, MATRIB 2009 PROCEEDINGS, pp 142-148,Hrvatsko društvo za materijale i tribologiju, 2009, Zagreb
10.	Karlović I., Tomić I., Novaković D., Jurič (Rilovski) I.: Evaluation of distinctness of image enhanced printed samples, 43. conference of the Internetional Circle of Educational Institutes for Graphic Arts Technology and Management, Norrköping: International Circle, 19-23 Septembar, 2011, pp. 13-19

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Kašiković D. Nemanja
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.2008
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	2010	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design

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

	ID	Course name	Study programme name, study type
1.	F114	Graphic applications	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F201	Introduction to Graphic Technologies	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F206	Graphic Processes	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F211I1	Graphic design products	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F303	Printing Techniques	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	F306	Graphic Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
7.	F308	Print finishing	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
8.	F502	Graphic Packaging	(F00) Graphic Engineering and Design, Master Academic Studies
9.	F504I7	Digital Printing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	F504I9	Colour Management	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F510I3	Method of research	(F00) Graphic Engineering and Design, Master Academic Studies
12.	FDS221	Selected Chapters in Packaging	(F00) Graphic Engineering and Design, Doctoral Academic Studies
13.	FDS223	Selected Chapters in Contemporary Graphic Systems and Processes	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Kašiković N.: Razvoj modela praćenja procesnih parametara štampe tekstilnih materijala, Novi Sad, Fakultet tehničkih nauka, 2012
2.	Kašiković N., Novaković D., Karlović I., Vladić G.: INFLUENCE OF INK LAYERS ON THE QUALITY OF INK JET PRINTED TEXTILE MATERIALS, Tekstil ve konfeksiyon, 2012, Vol. 22, No 2, pp. 115-124, ISSN 1300-3356
3.	Novaković D., Kašiković N., Zeljković Ž., Agić D., Gojo M.: Thermograph analysis of thermal effects on the change of colour differences on the digitally printed textile materials, original scientific paper, Tekstil, 2010, Vol. 59, No 7, pp. 297-306, ISSN 0492-5882, UDK: 677.856:677.016.413.4
4.	Kašiković N.: Istraživanje uticajnih parametara na otisak kod tekstilnih materijala, Novi Sad, Fakultet tehničkih nauka, 2010
5.	Tehnike štampe-praktikum za vežbe
6.	Vladić G., Kašiković N., Avramović D., Milić N.: Pet Bottle Design, Correlation Analysis Of Pet Bottle Characteristics Subjective Judgment, JGED Journal of Graphic Engineering and Design, 2012, Vol. 3, No 1, pp. 9-14, ISSN 2217-379X, UDK: 658.512.2.87:014.11:621.798.147
7.	Novaković D., Kašiković N., Vladić G.: Investigation of thermal effects on textile materials printed by digital printing, Machine Design, 2011, Vol. 3, No 4, pp. 241-246, ISSN 1821-1259
8.	Vladić G., Kašiković N.: PET bottle design, analysis of correlation between visual aesthetic impression and subjective judgments of bottle characteristics, Machine Design, 2011, Vol. 3, No 4, pp. 289-292, ISSN 1821-1259

Representative refferences (minimum 5, not more than 10)

9.	Novaković D., Kašiković N., Vladić G.: Influence of polyethylene (PE) and polyvinyl chloride (PVC) substrates and the printing machine on the color range in wide format printing, Journal of the University of Chemical Technology and Metallurgy, 2011, Vol. 46, No 3, pp. 237-242, ISSN 1311-7629
10.	Kašiković N., Novaković D., Vladić G., Klančnik M.: Influence Of Heat Treathment On Caracteristics Of Inkjet Prints On Textile Material, JGED Journal of Graphic Engineering and Design, 2011, Vol. 2, No 1, pp. 24-30, ISSN 2217-379X, UDK: 677.057.5

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Kovačić N. Ivana
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	21.05.1998
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2002	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Mechanics

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

	ID	Course name	Study programme name, study type
1.	F107	Technical Mechanics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	GG14	Mechanics 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	M103	Mechanics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	M107	Mechanics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	M201	Mechanics 3	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
6.	M44071	Noise, Vibration and Design	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	DM401	Selected chapters in Analytical Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
8.	DM408	Nonlinerar Oscillations	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
9.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies
10.	FDS143	Selected Chapters in Technical Mechanics	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Metod polja u neholonomnoj mehanici i teoriji nelinearnih oscilacija, Fakultet tehničkih nauka, Novi Sad, 2002
2.	Samopobudne oscilacije u procesu rezanja, Fakultet tehničkih nauka, Novi Sad, 1999
3.	Zbirka rešenih zadataka iz Statike I, Edicija„Tehničke knjige-udžbenici” 127 , Fakultet tehničkih nauka, Novi Sad, 2006.
4.	Zbirka rešenih zadataka iz Statike II, Edicija„Tehničke knjige-udžbenici” 128 , Fakultet tehničkih nauka, Novi Sad, 2006.

Representative refferences (minimum 5, not more than 10)

5.	Cveticanin, L., Kovacic, I., Parametrically excited vibrations of the oscillator with strong cubic negative noin-linearity, Journal of Sound and Vibration, 2007, Vol. 304, No 1-2, pp. 201-212.
6.	Kovacic I., Adiabatic invariants of some time-dependent oscillators, Journal of Physics A: Mathematical and General, 2007, Vol. 40, No 3, pp. 455-470.
7.	Cveticanin, L., Kovacic, I., On the dynamics of bodies with continual mass variation, Journal of Applied Mechanics-TRANSACTIONS OF THE ASME, 2007, Vol. 74, pp. 810-815.
8.	Kovacic I., Adiabatic invariants of oscilltors with one degree of freedom, Journal of Sound and Vibration, 2007, Vol. 300, No 3-5, pp. 695-708.
9.	Kovacic I., Conservation laws of two coupled non-linear oscillators, International Journal of Non-Linear Mechanics, 2006, Vol. 41, No. 5, pp 751-760.
10.	Kovacic, I., Analysis of a weakly non-linear autonomous oscillator by means of the field method, International Journal of Nonlinear Mechanics, 2005, Vol. 40. No 5, pp 775-784.

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

Quotation total :	181			
Total of SCI(SSCI) list papers :	39			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Kuzmanović B. Siniša
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1975
Scientific or art field:	Machine Elements,Construction Principles, Machine and Mechanizm

Academic carieer	Year	Institution	Field
Academic title election:	1996	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
PhD thesis	1980	Faculty of Mechanical Engineering - Beograd	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Magister thesis	1976	Faculty of Mechanical Engineering - Beograd	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Bachelor's thesis	1973	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics

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

	ID	Course name	Study programme name, study type
1.	F408	Industrial Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	H205	Mecahnical Elements 1	(H00) Mechatronics, Undergraduate Academic Studies
3.	H208	Mechanical Elements 2	(H00) Mechatronics, Undergraduate Academic Studies
4.	M202	Mechanical Elements	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	M2419	Product Development	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	URZP14	Fundamentals of Mechanical Engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	F510I1	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
8.	M2654	Specific Machine Elements of Agricultural Machinery	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M2656	Industrial design of agricultural machines	(M22) Mechanization and Construction Engineering, Master Academic Studies
10.	DM213	Contemporary Methods of Designing and Machine Constructing	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	DM215	Seelcted Chapters in Machine and Mechanisms Theory	(M00) Mechanical Engineering, Doctoral Academic Studies
12.	DOM23	Product Development	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	FDS211	Selected Chapters in Design	(F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	FDS214	Selected Chapters in Industrial Product Modelling	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Miltenović, V. A., Kuzmanović, B. S., Miltenović, Đ. V., Tica, M. M., Rackov, J. M.: Thermal stability of crossed helical gears with wheels made from sintered steel, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S607-S619, doi:10.2298/TSCI120503190M.
2. Kuzmanović, S.: Konstruisanje, oblikovanje i dizajn - 1. deo, Fakultet tehničkih nauka, Novi Sad, 2006, str.357, ISBN 86-85211-82-4
3. Kuzmanović, S.: Konstruisanje, oblikovanje i dizajn - 2. deo, Fakultet tehničkih nauka, Novi Sad, 2005, str.181, ISBN 86-85211-57-3
4. Kuymanović, S.: Menadžment proizvodima, Univerzitet u Novom Sadu, Novi Sad, 2007, str.301, ISBN 978-86-499-0149-0
5. Kuzmanović, S.: Mašinski elementi - oblikovanje, proračun i primena, Fakultet tehničkih nauka, Novi Sad, 2012, str.394, ISBN 978-86-7892-282-4

Representative refferences (minimum 5, not more than 10)	
6.	Kuzmanović, S.: Industrijski dizajn, Fakultet tehnickih nauka, Novi Sad, 2012, str.329, ISBN 978-86-7892-404-0
7.	Kuzmanović, S., Trbojević, R., Rackov, M.: Zbirka zadataka iz mašinskih elemenata, Fakultet tehničkih nauka, Nobi Sad, 2009, str.198, ISBN 978-86-7892-154-4
8.	Kuzmanović, S.: Univerzalni zupčasti reduktori sa cilindričnim zupčanicima, Fakultet tehničkih nauka, Novi Sad, 2009, str.231, ISBN 978-86-7892-202-2
9.	Kuzmanović, S., Rackov, M.: Bezazorni prenosnici u vojnom mašinstvu, Vojnotehnički institut, Beograd, 2012, str.101, ISBN 978-86-81123-51-5
10.	Vereš, M., Harman, B., Kuzmanović, S., Rackov, M.: Determination of the Correct Mating Cylindrical Teeth Flanks Profiles When the Path of Contact is Given, Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Bratislava, 2009, str. 145-151, ISBN 978-80-227-3326-7

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

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

1. Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolič J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154
2. Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M. : IML Robot Grasping Process Improvement (Article in press, Date of acceptance 14. March 2010), Iranian Journal of Science & Technology, Transactions B, 2011, ISSN 1028-6284
3. Ostojić G., Lazarević M., Stankovski S., Ćosić I. : RFID Technology Application in Disassembly Systems , Strojniski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, Broj 11, str. 759-767, ISSN 0039- 2480, UDK: 658.5
4. Stankovski S., Lazarević M., Ostojić G., Ćosić I., Purić R. : RFID Technology in Product/Part Tracking During the Whole Life Cycle , Assembly Automation, 2009, Vol. 29, Broj 4, str. 364-370, ISSN 0144-5154
5. Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248
6. Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Hodolič J., Tadić B., Odri S.: Implementation of automatic identification technology in a process of fixture assembly/disassembly, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 819-825, ISSN 0039-2480
7. Lazarević M., Ostojić G., Stankovski S., Ćosić I.: Postupak upravljanja proizvodom u celokupnom životnom veku korišćenjem RFID taga, Broj priznatog patenta: 51796, datum priznavanja 24.10.2011. godine., 2011
8. Vukelić Đ., Tadić B., Hodolič J., Budak I., Lazarević M.: Development an expert system for machining fixture design, 10. International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology - DEMI, Banja Luka: Faculty of Mechanical Engineering, 26-28 Maj, 2011, pp. 303-308, ISBN 978-99938-39-36-1
9. Ćosić, I., Lazarević, M., Anišić, Z., Lalić, B.: Data Gathering Using Rfid Technology From Disassembly and Recycling Systems, 17th International DAAAM Symposium " Intelligent Manufacturing & Automation: Focus on Mechatronics and Robotics", Vienna, Austria, 2006.: DAAAM International, 8-11 november, 2006, str. 85- 86, ISBN 3-901509-57-7.
10. Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Križan P.: Maintenance with the usage of RFID technology, Journal ERIN, 2010, Vol. 3, No 2, pp. 2-7, ISSN 1337-9089

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

Quotation total :	11
Total of SCI(SSCI) list papers :	6

Current projects :	Domestic :	4	International :	3

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Graphic Engineering and Design

Science, arts and professional qualifications

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

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	2006	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Magister thesis	1998	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Electronics

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

	ID	Course name	Study programme name, study type
1.	E133	Power Converters	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EE308	Power Electronics 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	EOS14	Laboratory from electrical machines	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
4.	EOS25	Solar and hybrid electric plants	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F203	Electrical Machines	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	HE2465	Mechatronics of Transport and Construction Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
7.	EE408A	Application of microprocessors in power engineering	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	EEI310	Industrial systems and protocols	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	DE109S	Selected Chapters in Electromotive Drives	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE409S	Modern Methods of Digital Control of Drives and Converters	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	EE524	Methods of Regulation of Power Converters with Microconrollers	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	EE534	Special Electric Motor Drives	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	EE537	Special Electrical Machines	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	DE109	Selected Chapters in Electromotive Drives	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies
15.	DE409	Modern Methods of Digital Control of Drives and Converters	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Marčetić D., Adžić E.: Improved Three-Phase Current Reconstruction for Induction Motor Drives With DC-Link Shunt, IEEE Transaction on Industrial Electronics, 2010, Vol. 57, No 7, pp. 1-9, ISSN 0278-0046
2.	Marčetić D., Vukosavic S.: Speed Sensorless AC Drives with the Rotor Time Constant Parameter Update, IEEE Transaction on Industrial Electronics, 2007, Vol. 54, No 5, pp. 2618-2625 , ISSN <SPAN class=skype_pnh_

Representative refferences (minimum 5, not more than 10)

3.	Marčetić D., Krcmar I., Matic P.: Discrete Rotor Flux Estimator for High Performance Induction Motor Drives with Low Sampling to Fundamental Frequency Ratio, International Review of Electrical Engineering IREE, 2012, Vol. 7, No 2, pp. 3804-3813.
4.	Porobić V., Adžić E., Marčetić D.: High Speed Shaft Sensorless DFOC Induction Motor Drive with Field Angle Correction, International Review of Electrical Engineering IREE, 2011, Vol. 6, No 4, ISSN 1827-6660
5.	Tomić J., Kušljević M., Marčetić D.: An Adaptive Resonator Based Method for Power Measurements According to the IEEE Trial-Use Standard 1459-2000 , IEEE Transactions on Instrumentation
6.	Vasić V., Marčetić D., Jeftenić B., Vladan J.: Speed-Sensorless Control of Induction Motor Based on Reactive Power with Rotor Time Constant Identification, IET ELECTR POWER APP, 2010, Vol. 4, No 6, ISSN 1751-8660
7.	Vasić V., Marčetić D., Oros Đ.: Prediction of Local Instabilities in Open-loop Induction Motor Drives, COMPEL - The international journal for computation and mathematics in electrical engineering, 2010, Vol. 29, No 3, ISSN 0332-1649
8.	Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445.
9.	Oros Đ., Vasić V., Marčetić D.: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components
10.	Kušljević M., Tomić J., Marčetić D.: Active power measurement algorithm for power system signals under non-sinusoidal conditions and wide-range frequency deviations, IET Generation, Transmission

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Marković -. Milan
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Computer Science

Academic carieer	Year	Institution	Field
Academic title election:			

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

	ID	Course name	Study programme name, study type
1.	E233	Internet Networks	(E20) Computing and Control Engineering, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
3.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	BMI95	Introduction to Computer Science	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	SE0011	Introduction to Software Engineering	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

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

	ID	Course name	Study programme name, study type
10.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	SEM009	Identity Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies
12.	SEM017	Information Security	(SE0) Software Engineering and Information Technologies, 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:	Milanović N. Nikola
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003		Applied Computer Science and Informatics
Bachelor's thesis	1995		Applied Computer Science and Informatics
Magister thesis	-		Applied Computer Science and Informatics

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

	ID	Course name	Study programme name, study type
1.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	ISIT21	Internet mreže	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	ISIT2D	Web design	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	SE0008	Algorithms and Data structures	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	SES102	NoSQL Data Bases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SES201	Advanced Web Technologies	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SES302	High Technology Management	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	E2506	Advanced Internet Infrastructure	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	E2513	Semantic Web	(E20) Computing and Control Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies (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
11.	E2519	Domain-Specific Languages	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E2526	Service Oriented Architectures	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	N. Milanovic, M. Malek. Current Solutions for Web Service Composition. IEEE Internet Computing, 8(6):51-59, 2004. (SCI 11/86)
2.	N. Milanovic, M. Malek, A. Davidson, V. Milutinovic. Routing and Security in Mobile Ad Hoc Networks. IEEE Computer, 37(2):61-65, 2004. (SCI 16/86)
3.	N. Milanovic, M. Malek. Search Strategies for Automatic Web Service Composition. International Journal of Web Services Research, 3(2):1-32, 2006. (SCI 37/86)
4.	N. Milanovic, B. Milic. Automatic Generation of Service Availability Models. IEEE Transactions of Service Computing, 2010. 4(1):56-69 , 2011
5.	P. Ibach, N. Milanovic, J. Richling, V. Stantchev, A. Wiesner, Malek M. CERO: CE Robots Community. IEE Proceedings Software, Special Issue on Embedded Systems, 152(5):210-214, 2005. (SCI 71/86)

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:	Milojević D. Zoran
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	27.10.1997
Scientific or art field:	Machine Elements,Construction Principles, Machine and Mechanizm

Academic carieer	Year	Institution	Field
Academic title election:	2008	University of Novi Sad - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
PhD thesis	2008	University of Novi Sad - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

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

	ID	Course name	Study programme name, study type
1.	EOS03	Fundamentals in Mechanical Engineering(Machine elements and Materials)	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
2.	F202	Fundamentals in Mechanical Engineering	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	M108	Engineering Graphic Communications	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	M2610	Graphic Communications and CAD	(H00) Mechatronics, Undergraduate Academic Studies
5.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	IA013	Interactive Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	ZC007	Engineering Graphic Communications	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	M2511	Methodology of Design	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	AID04	Haptic devices usage in the virtual environment	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Gligorić, R., Milojević, Z.:" TEHNIČKO CRTANJE ", Edicija univerzitetski udžbenik, br 166, ISBN 86-499-0131-5., Univerzitet u Novom Sadu, 2004. god. (356 strana)
2. Milojević, Z., Navalušić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, Timisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904.
3. Milojević, Z., Navalušić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR REAL'TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007.
4. Obradović, R., Milojević, Z: PLANE SECTION OF CONE AND CYLINDER IN COMPUTER GEOMETRY, Facta Universitatis, Series Architecture and Civil Engineering, Vol. 3, No.2, Niš 2005., pp. 195-207
5. Milojević, Z., Zeljković, M., Navalušić, S., Milisavljević, B., Gatalo, R.:" ANALYSIS OF THE ISOPARAMETRIC HEXAHEDRAL ELEMENTS ACCURACY IN THE FEM STRUCTURAL ANALYSIS OF THE MAIN SPINDLE ASSEMBLY", Journal of Machine Engineering, Vol.2 No. 1-2 , Open and Global Manufacturing Design, Wroclaw, 2002. god., pp. 193-203
6. Marjanović N., Isailović B., Marjanović V., Milojević Z., Blagojević M., Bojić M.: A practical approach to the optimization of gear trains with spur gears, Mechanism and Machine Theory, 2012, Vol. 53, pp. 1-16, ISSN 0094-114X
7. Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991

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

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

Science, arts and professional qualifications

Name and last name:	Milosavljević R. Gordana
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:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010		Computer Science
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Computer Science

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

	ID	Course name	Study programme name, study type
1.	E242	Software Specification and Modeling	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	RI53	Business Information Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT12	Osnove informacionih sistema	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	ISIT27	Osnove softverskih arhitektura	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	ISIT35	Poslovna informatika	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	ISIT37	Konfigurisanje i administracija baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
11.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13.	SES202	Model Driven Software Development	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14.	SES204	Advanced Programming Tecnics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

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

	ID	Course name	Study programme name, study type
15.	E2508	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
16.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
17.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević.: User Interface Code Generation for EJB-Based Data Models Using Intermediate Form Representations. Principles and Practice of Programming in Java, Kilkenny, Ireland, 2003
2.	B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević: User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models, Software Engineering Research and Practice (SERP"03), Las Vegas, USA, 2003
3.	G. Milosavljević, B. Perišić: Really Rapid Prototyping of Large-Scale Business Information Systems, IEEE International Workshop on Rapid System Prototyping, San Diego, USA, 2003
4.	Milosavljević G., Ivanović D., Milosavljević B., Surla D.: Automated Construction of the User Interface for a CERIF-Compliant Research Management System, The Electronic Library, 2011, Vol. 29, No 5, pp. 565-588, ISSN 0264-0473
5.	Perišić B., Milosavljević G., Dejanović I., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214
6.	Ivanović D., Milosavljević G., Milosavljević B., Surla D.: A CERIF-Compatible Research Management System Based on the MARC 21 Format, Program: Electronic Library and Information Systems, 2010, Vol. 44, No 3, pp. 229-251, ISSN 0033-0337
7.	Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Domain-Specific Language for Defining Static Structure of Database Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214
8.	Dejanović I., Perišić B., Milosavljević G., Stričević N.: Towards a foundation for distributed version control of SLE artifacts. In 3rd International Workshop on Model-Based Software and Data Integration, Birmingham, England
9.	Milosavljević G., Dejanović I., Perišić B.: Ready for the industry: A practical approach to teaching mde. In 7th Educators Symposium@MODELS 2011: Software Modeling in Education, pages 31-40, Wellington, New Zealand, www.se.uni-oldenburg.de/documents/olnse-2-2011-EduSymp.pdf
10.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain-Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24

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:	Milosavljević P. Branko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1998
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

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

	ID	Course name	Study programme name, study type
1.	E2E40	XML and WEB Services	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E2E41	E-Business Systems Security	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F214I2	Raster Graphics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GI100	Computer Practicum	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	RI41	Internet Software Architectures	(E20) Computing and Control Engineering, Undergraduate Academic Studies
7.	SEI41	Internet Software Architectures	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	ISIT03	Introduction to Programming	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
11.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
12.	ISIT29	XML Technologies	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
13.	BMI95	Introduction to Computer Science	(BM0) Biomedical Engineering, Undergraduate Academic Studies
14.	EIWDS	Web-based Measurement and Data Acquisition Systems	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

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

	ID	Course name	Study programme name, study type
15.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
16.	E2506	Advanced Internet Infrastructure	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
18.	E2521	Business Process Management	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
19.	E2526	Service Oriented Architectures	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
20.	DE417	Web-based Measurement Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
21.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
22.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
23.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies
24.	FDS151	Selected Chapters in Multimedia	(F00) Graphic Engineering and Design, Doctoral Academic Studies
25.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
26.	FDS224	Selected Chapters in Programming	(F00) Graphic Engineering and Design, Doctoral Academic Studies
27.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Branko Milosavljević. Models for Extensible Multimedia Document Retrieval. In IEEE 6th International Symposium on Multimedia Software Engineering, Miami, FL, 2004.
2. Branko Milosavljević, Milan Vidaković, Srđan Komazec, and Gordana Milosavljević. User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models. In Software Engineering Research and Practice (SERP"03), Las Vegas, NV 2003.
3. Branko Milosavljević and Zora Konjović. Design of an XML-Based Extensible Multimedia Information Retrieval System. In IEEE Multimedia Software Engineering (MSE2002), Newport Beach, CA, 2002. pp. 114-121.
4. G. Sladić, B. Milosavljević, Z. Konjović. Extensible Access Control Model for XML Document Collections, Intl. Conf. on Security and Cryptography ICETE-SECRYPT"07, Barcelona, Spain, 2007.
5. Branko Milosavljević, Milan Vidaković, and Zora Konjović. Automatic code generation for database-oriented web applications. In James Power and John Waldron, editors, Recent Advances in Java Technology: Theory, Application, Implementation, pages 89-98. Trinity College Dublin, 2003.

Representative refferences (minimum 5, not more than 10)

6.	Danijela Tešendić, Branko Milosavljević, and Dušan Surla. A library circulation system for city and special libraries. The Electronic Library, 27(1):162-186, 2009. ISSN: 0264-0473, DOI: 10.1108/02640470910934669.
7.	Jelena Radjenović, Branko Milosavljević, and Dušan Surla. Modelling and implementation of catalogue cards using FreeMarker. Program: electronic library and information systems, 43(1):62-76, 2009. ISSN: 0033-0337, DOI: 10.1108/00330330910934110.
8.	Milan Vidaković, Branko Milosavljević, Zora Konjović, and Goran Sladić. Extensible Java EE-based agent framework and its application on distributed library catalogues. Computer Science and Information Systems (ComSIS), 6(2):1-28, 2009. ISSN: 1820-0214, DOI: 10.2298/csis0902001V.
9.	Aleksandar Kovačević, Branko Milosavljević, Zora Konjović, and Milan Vidaković. Adaptive content-based music retrieval system. Multimedia Tools and Applications, 47(3):525-544, 2010. ISSN: 1380-7501, DOI: 10.1007/s11042-009-0336-2.
10.	Bojana Dimić, Branko Milosavljević, and Dušan Surla. XML schema for UNIMARC and MARC 21. The Electronic Library, 28(2):245-262, 2010. ISSN: 0264-0473, DOI: 10.1108/02640471011033611.

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Mirović Đ. Ivana
Academic title:	Lecturer
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.1990
Scientific or art field:	English

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	English
Bachelor's thesis	1984	Faculty of Philosophy - Novi Sad	English

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

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

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

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

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

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

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

	ID	Course name	Study programme name, study type
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
35.	ETI05	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
36.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
37.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
38.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
39.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
40.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies
41.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Prevod monografije: Nenad Teofanov: Ultramodulation Spaces and Pseudodifferential Operators, Zadužbina Andrejević
2.	Prevod publikacije o Fakultetu tehničkih nauka, Faculty of Technical Sciences, 2004
3.	Vesna Bogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2007
4.	Ivana Mirović i Vesna Bogranović: Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011
5.	I. Mirović, V. Bogdanović, B. Ličen: Istorijat nastave stručnog engleskog jezika na FTN u Novom Sadu. međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008
6.	V. Bogdanović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski jezik za studente različitog predznanja, međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008
7.	I. Mirović, B. Ličen, V. Bogdanović: Summarization skills of engineering students reading in a second language, Language for Specific Purposes, Challenges and Prospects, Belgrade, 2011

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

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

Science, arts and professional qualifications

Name and last name:	Navalušić V. Slobodan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.1975
Scientific or art field:	Machine Elements,Construction Principles, Machine and Mechanizm

Academic carieer	Year	Institution	Field
Academic title election:	2006	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Magister thesis	1986	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics

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

	ID	Course name	Study programme name, study type
1.	A555	Perspective	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	EOS03	Fundamentals in Mechanical Engineering(Machine elements and Materials)	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	F202	Fundamentals in Mechanical Engineering	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	GG03	Descriptive Geometry	(G00) Civil Engineering, Undergraduate Academic Studies
5.	GI104	Descriptive Geometry in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	M108	Engineering Graphic Communications	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	M2610	Graphic Communications and CAD	(H00) Mechatronics, Undergraduate Academic Studies
8.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	IA013	Interactive Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
10.	ASO5	Descriptive Geometry with Perspective 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
11.	ASO9	Descriptive Geometry with Perspective 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
12.	ZC007	Engineering Graphic Communications	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	M2511	Methodology of Design	(M22) Mechanization and Construction Engineering, Master Academic Studies
14.	M2655	Maintenance of Agricultural Machinery	(M22) Mechanization and Construction Engineering, Master Academic Studies
15.	AD0013	Theory of curves and surfaces	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
16.	DM213	Contemporary Methods of Designing and Machine Constructing	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DM409	Selected Chapter in Power and Motion Transmission	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	AID04	Haptic devices usage in the virtual environment	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Milojević, Z., Navalušić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, žtimisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904
2.	Milojević, Z., Navalušić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR REAL'TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007
3.	Milojević, Z., Navalušić, S., Zeljković, M.: " AN EXACT APPROACH TO 3-AXIS MILLING NC SIMULATION AND VERIFICATION", Journal Manufacturing Engineering Vol.3, No.5, Kosicah, 2006., pp. 14-17
4.	Milojević, Z., Navalušić, S., Zeljković, M:" DEVELOPMENT OF THE MODULE FOR VERIFICATION OF NC MACHINING PROGRAM ", Journal of Machine Engineering, Vol.5 No. 1-2, Intelligent Machines and factories, Wroclaw, 2005. god., pp. 177-185
5.	Zeljković, M., Zeljković, Ž., Navalušić, S., Milojević, Z.:" SOFTWARE SOLUTION DEVELOPMENT FOR THE GRINDING WHEEL PROFILING CYCLE ON THE CNC GRINDING MACHINE", Journal of Machine Engineering, Vol.4 No. 1-2, Machine tools and factories of the knowledge, Wroclaw, 2004. god., pp. 254-262
6.	Desnica E., Letić D., Gligorić R., Navalušić S.: Implementation of information technologies in higher technical education, Metalurgia international, 2012, Vol. 17, No 3, pp. 76-82, ISSN 1582-2214
7.	Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray , HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991
8.	Desnica E., Letić D., Navalušić S.: Concept of distance learning model in graphic communication teaching at university level education, Technics Technologies Education Management, 2010, Vol. 5, No 2, pp. 378-388, ISSN 1840-1503
9.	Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991
10.	Navalušić, S., R. Gatalo, M. Zeljković: Automated Gearbox Design Based on Principles of Expert System Building, JSPE Publication Series No.1, Advancement of Intelligent Production, edited by Eiji Usui, Elsevier Science B. V., Amsterdam - Lausanne - New York - Oxford - Shannon - Tokyo, 1994, pp. 45-50

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

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

Science, arts and professional qualifications

Name and last name:	Nedeljković S. Uroš
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	30.03.2005
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	2007	Academy of Arts - Novi Sad	Fine Arts
Bachelor's thesis	2002	Academy of Arts - Novi Sad	Fine Arts

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

	ID	Course name	Study programme name, study type
1.	F208	Type and Typography	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F214I1	Graphic culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F230	Design of Graphic Products	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F302I1	Graphic Communication	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F312	Fundamentals of spatial design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	F401	Graphic Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
7.	ASO311	Sociology of Art and Culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
8.	IM1003	Sociology of Work	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
9.	F504I2	Video game design	(F00) Graphic Engineering and Design, Master Academic Studies
10.	F504I5	Advertising Efficiency	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F506	Spatial Design	(F00) Graphic Engineering and Design, Master Academic Studies
12.	F510I1	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
13.	F510I2	Character and movement design	(F00) Graphic Engineering and Design, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Nedeljković, S; Nedeljković, U; Pismo i tipografija, Fakultet tehničkih nauka, Novi Sad, 2012
2.	Banjanin B., Nedeljković U.: Font hinting techniques and the importance of applying these techniques for high-quality display of fonts on the output device screen , JGED Journal of Graphic Engineering and Design, 2012, Vol. 3, No 1, pp. 23-30, ISSN 2217-379X, UDK: 777.27:777.3
3.	Nedeljković, U., Banjanin, B., Pinćjer, I.: Designing Grid Sans Regular with Titling Alternates, International Symposium on Graphic Engineering and Design, GRID (5; Novi Sad; 2010), Fakultet tehničkih Nauka, Novi Sad, 155-162.
4.	NEDELJKOVIĆ S., NEDELJKOVIĆ U., PINĆJER, I.: ANOTHER INSIGHT ON NEO-CLASSICAL TYPE FORMS, 15 th International Conference on Printing, Design and Graphic Communications Blaž Baromić - Proceedings, Hrvatsko društvo grafičara, Sveučilište u Zagrebu, Grafički fakultet, Zagreb, 2011, pp. 420-427, ISBN 978-953-56838-0-3
5.	Nedeljković, U; Tipografsko pismo Grid Sans, FORMA 21, Udruženje likovnih umetnika primenjenih umetnosti i dizajnera Vojvodine–UPIDIV, Muzej Vojvodine, 28.04–15.05.2011. Novi Sad., 2011
6.	Nedeljković, U: „AŠIKU“, INTERNATIONAL FINE ART CARAVAN 2005-2010 “ALL THAT MUSIC-SOUNDS OF COLOR, COLOR OF THE SOUNDS” THE SOUNDS OF THE DREAMS 2009-2010 1.1. Nacionalna institucija, Centar za kultura Braќa Miladinovci, Struga 22 avgust 2009; 1.2. NU, Centar za kultura „Grigor Priličev„ Ohrid, 3 septemvri 2009; 1.3. Gradska galerija – Dom na kulturata Kavadarci, 20 septemvri 2009; 1.4. Naroden muzej Veles, 12 oktomvri 2009; 1.5. Galerija na DLUM Skopje, 28 oktomvri 2009; 1.6. Umetnička galerija Kumanovo, mart 2010; 1.7. Blok Galerija Beograd, 20. mart 2010; 1.8. Galerija Most Novi Sad, 19. April 2010; 1.9. Boston, St. Sava Church in Cambridge, MA, November 2010; 1.10. Detroit, October 2010; New York, December 2010. , Skoplje, INTERNACIONALEN LIKOVEN KARAVAN

Representative refferences (minimum 5, not more than 10)

7.	Nedeljković, U., Pinćjer, I., Vladić, G.: THE EFFICIENCY OF MESSAGE CODIFICATION LEVEL IN PRINT ADVERTISEMENTS: THE CASE OF FOOD AND DRINK PRODUCTS OR SERVICE, Journal of Graphic Engineering and Design, University of Novi Sad, Faculty of Technical Sciences, Department of Graphic Engineering and Design, Novi Sad, 2011, pp. 16-23, ISSN 2217-379X, COBISS.SR-ID 257662727
8.	Uroš Nedeljković, Irma Puškarević: RHETORICAL TYPOGRAPHY OF MULTI-STYLE AND DECONSTRUCTIVISM, 15 th International Conference on Printing, Design and Graphic Communications Blaž Baromić - Proceedings, Hrvatsko društvo grafičara, Sveučilište u Zagrebu, Grafički fakultet, Zagreb, 2011, pp. 121-133, ISBN 978-953-56838-0-3
9.	Puškarević I., Nedeljković U.: THE EFFECTIVENESS OF SEX APPEAL IN ADVERTISING IN RELATION TO SEMIOTIC CODES, 16. "Blaž Baromić" International Conference on printing, design and graphic communications, Senj: Hrvatsko društvo grafičara, 26-29 Septembar, 2012, pp. 273-286, ISBN 978-953-56838-2-7
10.	Nedeljković U.: Grid Sans, Izložba GRIFON2012, 9.konkurs za najbolji grafički dizajn u Srbiji, Republici Srpskoj, i Crnoj Gori, u 2010. i 2011. godini.Grafički kolektiv, Beograd, 18.06–07.07.2012, Beograd, Grafički kolektiv i Quadra Graphic, 2012, ISBN 978-86-7726-041-5

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:	Nedeljković M. Slobodan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Academy of Arts - Novi Sad
	15.03.2003
Scientific or art field:	Graphic Design

Academic carieer	Year	Institution	Field
Academic title election:	2007	Academy of Arts - Novi Sad	Graphic Design
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	1982	Faculty of Fine Arts - Beograd	Fine Arts
Bachelor's thesis	1977	Faculty of Fine Arts - Beograd	Fine Arts

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

	ID	Course name	Study programme name, study type
1.	F214I1	Graphic culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F312	Fundamentals of spatial design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F412I1	Creative Calligraphy	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F506	Spatial Design	(F00) Graphic Engineering and Design, Master Academic Studies
5.	FDS211	Selected Chapters in Design	(F00) Graphic Engineering and Design, Doctoral Academic Studies
6.	FDS212	Selected Chapters in Art in Graphic Engineering	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. S. Nedeljković, M. Nedeljković, Udžbenik „Grafičko oblikovanje i pismo“ – 1988, 1998, 2006.
2. NEDELJKOVIĆ S., NEDELJKOVIĆ U.: PUT KA NOVOJ FORMI BAROKNOG ĆIRILIČNOG PISMA« Zbornik radova Trećeg naučno-stručnog simpozijuma GRID 2006, Fakultet tehničkih nauka, Novi Sad, 2006, pp. 159-168
3. Nedeljković, S; Nedeljković, U; Pismo i tipografija, Fakultet tehničkih nauka, 2012.
4. Nedeljković, S; Pinćjer, I;Nedeljković, U; ANOTHER INSIGHT ON NEO-CLASSICAL TYPE FORMS, Sveuciliste u Zagrebu, Graficki fakultet; (Polje rezultata: Tehničko-tehnološke nauke) Skup "Blaž Baromić" International Conference on printing, design and graphic communications (14 ; Senj ;2011)
5. Nedeljković, S; Nedeljković, U; Pinćjer, I; Zaharius Gotoantikva Fakultet tehničkih Nauka, Novi Sad; International Symposium on Graphic Engineering and Design, GRID (5 ; Novi Sad ; 2010)
6. Nedeljković, S; Tipografije ćiriličnih baroknih pisama transponovane u savremenu tipografku formu; Odbranjena doktorska disertacija, Fakultet tehničkih nauka, Grafičko inženjerstvo i dizajn, 2009
7. Nedeljković, S; Pinćjer, I; Nedeljković, U; Principles of art nouveau and its reflection on contemporary type forms, International Symposium on Graphic Engineering and Design, GRID (6; Novi Sad; 2012) Faculty of Technical Sciences, Department of Graphic Engineering and Design, 271-278
8. NEDELjKOVIĆ, U; NEDELjKOVIĆ, S: Univerzalno pismo, Zbornik radova Četvrtog naučno-stručnog simpozijuma GRID 08, Fakultet tehničkih nauka, Novi Sad, 2008, pp. 85-90
9. Nedeljković, S; Pavlović, Ž: JUGOSLOVENSKA (SRPSKA) LATINICA, 1. Nučno-stručni simpozijum GRID, Novi Sad; Fakultet tehničkih nauka, 1-3.11.2004; pp.105-110
10. Nedeljković, S. (2009) Tipografije ćiriličnih baroknih pisama transponovane u savremenu tipografku formu, Doktorska disetacija, Fakultet tehničkih nauka, Novi Sad

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:	Nenadić M. Goran
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2012		Applied Computer Science and Informatics
PhD thesis	2003		Mathematical Sciences
Magister thesis	1997		Mathematical Sciences
Bachelor's thesis	1993		Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E2K40A	Soft Computing	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	ISIT2D	Web design	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	SE0014	Computer organisation	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE0031	Operating Systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SES40	Software patterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

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

	ID	Course name	Study programme name, study type
10.	E2503	Data Mining and Data Analysis Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
11.	E2506	Advanced Internet Infrastructure	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E2523	Social Networks	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	E2524	Text Mining	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
14.	E2527	Business Intelligence	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Spasic, I., Sarafraz, F., Keane, J., Nenadic, G.: Extraction of Medications from Hospital Discharge Letters with Pattern Matching and Semantic Rules, J. of American Medical Informatics Association, 17(5): 532-535, 2010
2. Gerner, M., Nenadic, G., Bergman, C.: LINNAEUS: A Species Name Identification System for Biomedical Literature, BMC Bioinformatics 11:85, 2010
3. Yang, H., Spasic, I., Keane, J., Nenadic, G.: A Text Mining Approach to the Prediction of a Disease Status from Clinical Discharge Summaries, J. of American Medical Informatics Association, 16(4):596-600
4. Yang, H., Keane, J., Bergman, C., Nenadic, G.: Assigning Roles to Protein Mentions: the Case of Transcription Factors, Journal of Biomedical Informatics, Vol. 42(5), pp. 887-894
5. Yang, H., Nenadic, G., Keane, J.: Identification of Transcription Factor Contexts in Literature using Machine Learning Approaches, BMC Bioinformatics 2008, 9(Suppl 3):S11
6. Rice, S., Nenadic, G., Stapley, B.: Mining Protein Function from Text Using Term-based Support Vector Machines, BMC Bioinformatics 2005, 6(Suppl 1):S22
7. Krauthammer, M., Nenadic, G.: Term Identification in the Biomedical Literature, Journal of Biomedical Informatics, Vol. 37(6), 2004, pp. 512-526
8. Nenadic, G., Spasic, I., Ananiadou, S.: Terminology-driven Mining of Biomedical Literature, Bioinformatics 19:8, 2003, pp. 938-943
9. Nenadic, G., Mima, H., Spasic, I., Ananiadou, S., Tsujii, J.: Terminology-based Literature Mining and Knowledge Acquisition in Biomedicine, Int. J. of Medical Informatics, Vol. 67(1-3), 2002, pp. 33-48

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 T. Slavka
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2000
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2002	Faculty of Organizational Sciences - Beograd	Management and Business
Magister thesis	1992	Faculty of Organizational Sciences - Beograd	Organization Science
Bachelor's thesis	1978	Faculty of Technology and Metallurgy - Beograd	Technological Processes, Techno-Economic Optimization and Virtual Design

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

	ID	Course name	Study programme name, study type
1.	F109	Marketing and Entrepreneurship	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	II202	Marketing	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	IM1015	Industrial Marketing	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1051	Market Research	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1219	Analysis of entrepreneurial environment	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1806	Behavioral models of industrial customers	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1816	Industrial brand management	(I20) Engineering Management, Undergraduate Academic Studies
8.	S1I323	Market research and customer behavior	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
10.	MBA415	Development of services, products and marketing of technological innovation	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	RPR003	Marketing and Strategies for Regional Development	(RPR) Regional Development Planning and Management, Master Academic Studies
12.	IM2807	Strategic industrial marketing management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
13.	IM2819	Industrial eco-marketing	(I20) Engineering Management, Master Academic Studies
14.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS82	Industrial eco-marketing management	(I22) Engineering Management, Specialised Academic Studies
16.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
18.	IMDR82	Industrial eco-marketing management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Nikolić S., Ćosić I., Miletić A., Pečujlija M.: The effect of the 'golden ratio' on consumer behaviour, African Journal of Business Management, 2011, Vol. 5, No 20, pp. 8347-8360, ISSN 1993-8233

Representative refferences (minimum 5, not more than 10)

2.	Nikolić, T.S.; Mujićić,V.; Anđelić,G.: Entrepreneurship and Crisis Management – Two Sides of the Same Coin, International Conference for Entrepreneurship, Innovation and Regional Development, ICEIRD2010, ISBN 978-86-7892-250-3, COBISS.SR-ID 252076295, CD ROM, str. 559-564.
3.	Dimitrijević(Nikolić), T. S.: Marketing u industriji teške mašinogradnje; Međunarodna naučna konferencija TEŠKA MAŠINOGRADNJA TM96, Kraljevo 1996., str. 4.51
4.	Nikolić, T.S.: Stretegijski menadžment u minskom polju savremenosti, STRATEGIJSKI MENADŽMENT, ISSN 0354-8414, ID= 215489031,Vol. 10 (3), 2-5;
5.	Nikolić, S., Ćosić, I.: Industry and Modern management (New Dimension of Success); International Conference TOOLS 2002, Slovakia, 2002.; CD ROM, r.6
6.	Nikolić, T.S, Pecujlija, M.: Customer behavior in the culture of fear and short attention, African Journal of Business Managemen, 2011., Vol. 6 (9), pp. 3147-3155, 7 March, 2012, ISSN 1993-8233
7.	Nikolić S.: CUSTOMIZED' CONSUMER AND CONSUMER 'INNOVATOR' IN THE LIGHT OF SOCIAL CAPITAL AND DOMINANT CULTURAL PATTERN, 5. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: University of Novi Sad, 19-21 Septembar, 2012, pp. 170-174
8.	Nikolić, T.S., Stamatović, M., Miladinović, S.: Marketing Reflexion in Broken Transition Mirror, International Scientific Conference CRISIS OF TRANSITION AND TRANSITION OF CRISIS 2011, B. Luka, BiH
9.	Nikolić, T.S.: Menadžment između mislećeg i osećajnog, monografija, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2010.
10.	Nikolić, T.S.; Strak, M.; Gujanica, I.:Business System Between "Liposuction" and "Bodybuilding"; International Journal of Strategic management and Decision Support Systems in Strategic Management, Vol.14, No4, p.33-38;

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Graphic Engineering and Design

Science, arts and professional qualifications

Name and last name:	Novaković M. Dragoljub
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1988
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	2001	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1981	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing

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

	ID	Course name	Study programme name, study type
1.	F114	Graphic applications	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F201	Introduction to Graphic Technologies	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F206	Graphic Processes	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F211I1	Graphic design products	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F303	Printing Techniques	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	F306	Graphic Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
7.	F308	Print finishing	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
8.	F407	Colour Science	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
9.	F502	Graphic Packaging	(F00) Graphic Engineering and Design, Master Academic Studies
10.	F504I7	Digital Printing	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F510I3	Method of research	(F00) Graphic Engineering and Design, Master Academic Studies
12.	FDS13	Selected Chapters in Contemporary Graphic Technologies	(F00) Graphic Engineering and Design, Doctoral Academic Studies
13.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	FDS153	Colour and Image Appearance Models	(F00) Graphic Engineering and Design, Doctoral Academic Studies
15.	FDS221	Selected Chapters in Packaging	(F00) Graphic Engineering and Design, Doctoral Academic Studies
16.	FDS223	Selected Chapters in Contemporary Graphic Systems and Processes	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. NOVAKOVIĆ, D.: Prilog rukovanju materijalom u grafičkim sistemima, Doktorska disertacija, Fakultet tehničkih nauka, 280 strana, Novi Sad, 2001
2. Novaković D., Karlović I., Gojo M., Agić D.: Influence of surface enhancement of prints on colourimetric an visual characteristics, original scientific paper, Tekstil, 2009, Vol. 58, No 8, pp. 384-392, ISSN 0492-5882, UDK: 677.027.57:655.3
3. Novaković D., Kašiković N., Zeljković Ž., Agić D., Gojo M.: Thermograph analysis of thermal effects on the change of colour differences on the digitally printed textile materials, original scientific paper, Tekstil, 2010, Vol. 59, No 7, pp. 297-306, ISSN 0492-5882, UDK: 677.856:677.016.413.4
4. Novaković D., Dedijer S., Poljaček- Mahović S.: A model for improving the flexographic printing plate making process, original scientific paper, Tehnički vjesnik/Technical Gazette, 2010, Vol. 17, No 4, pp. 403-410, ISSN 1330-3651, UDK: 655.22:621.78
5. Karlović I., Novaković D.: Effect of Different Coating Amounts on the Surface Roughness and Print Gloss of Screen Coated Offset Prints, J IMAGING SCI TECHN, 2011, Vol. 55, No 2, pp. 1-10, ISSN 1062-3701

Representative refferences (minimum 5, not more than 10)

6.	Filipović N., Lazić V., Filipović J., Gvozdenović J., Novaković D.: Packaging material characteristics contributing to shlef-life of rusk, Roumanian Biotechnological Letters, 2012, ISSN 1224-5984
7.	Novaković D., Avramović D.: Influence of printing surface attributes on print quality in electrophotography, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 295-301, ISSN 1330-3651, UDK: 62(05)=163.42=111
8.	Kašiković N., Novaković D., Karlović I., Vladić G.: INFLUENCE OF INK LAYERS ON THE QUALITY OF INK JET PRINTED TEXTILE MATERIALS, Tekstil ve konfeksiyon, 2012, Vol. 22, No 2, pp. 115-124, ISSN 1300-3356
9.	Pavlović Ž., Novaković D., Cigula T.: Wear analysis of the offset printing plate`s non/printing areas depending on exploitation, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 3, pp. 479-484, ISSN 1330-3651, UDK: 655.344:620.178.16
10.	Pavlović Ž., Risović D., Novaković D.: Comparative study of direct and indirect, image-based profilometry in characterization of surface roughness,, Surface and Interface Analysis, 2012, Vol. 44, No 7, pp. 825-830, UDK: Online ISSN:1096-9918

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

Quotation total :	350			
Total of SCI(SSCI) list papers :	9			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Pavlović S. Živko
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	10.07.2000
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design

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

	ID	Course name	Study programme name, study type
1.	F303	Printing Techniques	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F304I1	Digital Photography	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F307	Printing Forms	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F407	Colour Science	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F408	Industrial Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	F411	Basics of game making	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
7.	F504I9	Colour Management	(F00) Graphic Engineering and Design, Master Academic Studies
8.	F510I1	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
9.	F510I3	Method of research	(F00) Graphic Engineering and Design, Master Academic Studies
10.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies
11.	FDS153	Colour and Image Appearance Models	(F00) Graphic Engineering and Design, Doctoral Academic Studies
12.	FDS221	Selected Chapters in Packaging	(F00) Graphic Engineering and Design, Doctoral Academic Studies
13.	FDS222	Lightness and Colour Perception	(F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	FDS223	Selected Chapters in Contemporary Graphic Systems and Processes	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Reprodukciona tehnika,priručnik za vežbe, Novi Sad 2008, ISBN 978-86-7892-133-9, COBISS.SR-ID 234181639
2. Tehnike štampe, Praktikum za vežbe, Novi Sad 2011, ISBN 978-86-7892-350-0, COBISS.SR-ID 266828039
3. Pavlović Ž., Risović D., Novaković D.: Comparative study of direct and indirect, image-based profilometry in characterization of surface roughness,, Surface and Interface Analysis, 2012, Vol. 44, No 7, pp. 825-830, UDK: Online ISSN:1096-9918
4. Pavlović Ž., Novaković D., Cigula T.: Wear analysis of the offset printing plate`s non/printing areas depending on exploitation, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 3, pp. 479-484, ISSN 1330-3651, UDK: 655.344:620.178.16
5. Apro M., Dedijer S., Pavlović Ž., Đerić A.: Analiza lepljenih spojeva transportnih kutija od talasastih lepenki, 18. Međunarodni simpozijum iz oblasti celuloze, papira, ambalaže i grafike, Zlatibor: Tehnološko-metalurški fakultet Univerziteta u Beogradu, Centar celulozno-papirne, ambalažne i grafičke industrije Srbije, 19-22 Jun, 2012, pp. 61-66, ISBN 978-86-7401-283-3
6. Dedijer S., Pavlović Ž.: Analiza parametara kvalitata otiska rotacione ofset štampe u zavisnosti od tiraža, 18. Međunarodni simpozijum iz oblasti celuloze, papira, ambalaže i grafike, Zlatibor: Tehnološko - metalurški fakultet Univerziteta u Beogradu, 19-22 Jun, 2012, pp. 84-89, ISBN 978-86-7401-283-3
7. Apro M., Sadžakov M., Pavlović Ž., Dedijer S.: Karakterizacija ofset štampe na recikliranim kartonima, 17. International Symposium in the field of pulp, paper, packaging and graphics, Zlatibor: Tehnološko-metalurški fakultet Univerziteta u Beogradu, Centar celulozno-papirne, ambalažne i grafičke industrije Srbije, 21-24 Jun, 2010, pp. 177-180, ISBN 978-86-7401-267-3

Representative refferences (minimum 5, not more than 10)

8.	Pavlović Ž., Apro M., Dedijer S., Novaković D.: Opseg boja u rotacionoj heat-set ofset štampi u zavisnosti od sastava sredstva za vlaženje, 17. International Symposium in the field of pulp, paper, packaging and graphics, Zlatibor: Tehnološko-metalurški fakultet Univerziteta u Beogradu, Centar celulozno-papirne, ambalažne i grafičke industrije Srbije, 21-24 Jun, 2010, pp. 181-184, ISBN 978-86-7401-267-3
9.	Dedijer S., Apro M., Pavlović Ž., Cigula T., Obrenović B.: Influence of ink solvent concentration on wetting of flexo printing plate and PE foil, 2. International Joint Conference on Environmental and Light Industry Technologies, Budimpešta: Rejtő Sándor Faculty of Light Industry and Environmental Engineering, 21-22 Novembar, 2011, pp. 143-150, ISBN 978-615-5018-23-7
10.	Gojo M., Pavlović Ž., Novaković D.: Analysing of the surface roughness of non printing elements on CtP thermal offset plate, 11. International design conference, Dubrovnik: Faculty of Graphic Arts, University of Zagreb, 17-20 Maj, 2010, pp. 1941-1946, ISBN 978-953-7738-08-2

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

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

Science, arts and professional qualifications

Name and last name:	Prica Đ. Miljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.11.1999
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
PhD thesis	2009	Faculty of Sciences - Novi Sad	Chemist Science
Magister thesis	2003	Faculty of Sciences - Novi Sad	Chemist Science
Bachelor's thesis	1999	Faculty of Sciences - 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.	F106	Graphic Materials	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F307	Printing Forms	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	Z102	Tehnička hemija(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	F409	Graphic Environment	(F00) Graphic Engineering and Design, Master Academic Studies
6.	Z507	Fizičko hemijski principi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
7.	FDS225	Graphic materials-selected chapters	(F00) Graphic Engineering and Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	M. Prica, B. Dalmacija, S. Rončević, D. Krčmar and M. Bečelić: A comparison of sediment quality results with acid volatile sulfide (AVS) and simultaneously extracted metals (SEM) ratio in Vojvodina (Serbia) sediments, Science of The Total Environment, 2008, Vol. 389, No. 2-3, str. 235- 244, ISSN 0048-9697.
2.	Elvira S. Karlovic, Bozo D. Dalmacija, Zagorka S. Tamas, Miljana Dj. Prica, Jonjaua G. Ranogajec: Preliminary Evaluation of Galvanic Sludge Immobilization in Clay-based Matrix as an Environmentally Safe Process , Journal of Environmental Science and Health, part A, 2008, Vol. 43, No. 5, str. 1- 10, ISSN 1093-4529.
3.	Correlation between the Results of Sequential Extraction and Effectiveness of Immobilization Treatment of Lead- and Cadmium-Contaminated Sediment, The Scientific World JOURNAL (2010) ISSN: 1537-744X, 10, 1-19
4.	M. Prica, B.Dalmacija, M.Dalmacija, J.Agbaba, D.Krcmar, J.Trickovic, E.Karlovic. Changes in metal availability during sediment oxidation and the correlation with the immobilization potential, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, (2010), vol. 73 br. 6, str. 1370-1377,
5.	Milica B. Velimirović, Miljana Dj. Prica, Božo D. Dalmacija, Srđan D. Rončević, Milena B. Dalmacija, Milena Dj. Bečelić, Jelena S. TričkovićCharacterisation, Availability, and Risk Assessment of the Metals in Sediment after Aging, Water Air Soil Pollut., 2011, 214, 1-4, 219-229
6.	Prica Miljana, Dalmacija Milena, Dalmacija Božo, Tričković Jelena, Maletić Snežana, The use of cardboard factory sludge in the remediation of zinc-contaminated sediment, JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, (2012), vol. 77 br. 8, str. 1097-1107.
7.	Jelena Molnar, Jasmina Agbaba, Božo Dalmacija, Srđan Rončević, Miljana Prica, Aleksandra Tubić. Influence of pH and ozone dose on the content and structure of haloacetic acid precursors in groundwater, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, (2012), vol. 19 br. 8, str. 3079-3086.
8.	Kiurski J., Đukić, M., Dalmacija, B. "Otpadne vode iz štamparija u Novom Sadu", Procesna tehnika 1(19), 195-198 (2003)
9.	Kiurski, J., Prica, M. "Sadržaj volatilnih organskih jedinjenja u radnoj sredini grafičke industrije", Procesna tehnika 2-3(20), 166-168 (2004).
10.	M.Prica, J,Kiurski, Fišl, J. Immobilization of Printing Plant Wastewater and Contaminated Sediment in Cement Matrix, Physical Chemistry 2008, Belgrade, pp. 686-688.

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

Quotation total :	35			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	3	International :	0

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Graphic Engineering and Design

Science, arts and professional qualifications

Name and last name:	Radivojević D. Radoš
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1991
Scientific or art field:	Sociology

Academic carieer	Year	Institution	Field
Academic title election:	2001	Faculty of Technical Sciences - Novi Sad	Sociology
PhD thesis	1990	Faculty of Philosophy - Novi Sad	Sociology
Magister thesis	1983	Faculty of Philosophy - Beograd	Sociology
Bachelor's thesis	1973	Faculty of Philosophy - Beograd	Sociology

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

	ID	Course name	Study programme name, study type
1.	E106	Sociology of Technique	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E251	Sociological Aspects of Technical Development	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	E251A	Sociological Aspects of Technical Development	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies
4.	F108	Sociology of Culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GG02	Sociology and Economics in Civil Engineering	(G00) Civil Engineering, Undergraduate Academic Studies
6.	GG105	Sociology of Work	(G00) Civil Engineering, Undergraduate Academic Studies
7.	M318	Sociology of Technique	(F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies
8.	Z310	Social Ecology	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	A206	Sociology and Economy of the Built Enviroment	(A00) Architecture, Undergraduate Academic Studies
10.	ASO311	Sociology of Art and Culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
11.	ETI41	Sociology of Technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
12.	IM1003	Sociology of Work	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
13.	A005S	Urban sociology and economics: selected chapters	(A00) Architecture, Specialised Academic Studies
14.	ZRMI3A	Sociological and Legal Aspects of Occupational Safety	(Z01) Safety at Work, Master Academic Studies
15.	A005	Urban Sociology and Economics – Selected Chapters	(A00) Architecture, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Sociologija nauke, Stylos, Novi Sad, 1997.
2. Tehnika i društvo, Fakultet tehničkih nauka, Novi Sad, 2003.
3. Sociologija naselja, Fakultetet tehničkih nauka, Novi Sad, 2004.

Representative refferences (minimum 5, not more than 10)	
4.	Fakultet tehničkih nauka-Razvoj, delatnost, rezultati, Novi Sad, 2006.
5.	Karakteristike inženjersko ekonomskog proučavanja organizacije rada, Sociološki pregled br. 1-2, Beograd, 1984.
6.	Socijalizam kao neproduktivni sistem, Sociološki pregled br 1-2, Beograd, 1994.
7.	Karakteristike empirijskog proučavanja organizacije rada, Sociologija br 4, 1985.
8.	Milićeva sociogija saznanja, Sociogija br 4, Beograd, 1997.
9.	Socio-psychological consequnences of the flood-an Example of Jasa Tomic, Editors:Stevan Bruk&Tiosav Petkovic, Belgrade, 2006.
10.	Gordana Vuksanović, Radoš Radivojević, THE ROLE OF CHILDREN IN INVESTIGATING AND ELIMINATING THE CONSEQUENCES OF NATURAL DISASTERS

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	1

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Graphic Engineering and Design

Science, arts and professional qualifications

Name and last name:	Rakarić Đ. Zvonko
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.11.1999
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2012		Mechanics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Technical Mechanics
Magister thesis	2009	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Mechanics

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

	ID	Course name	Study programme name, study type
1.	E104	Mechanics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	F107	Technical Mechanics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	GG14	Mechanics 2	(G00) Civil Engineering, Undergraduate Academic Studies
4.	IAKI01	Selected Chapters in Kinematics	(F10) Engineering Animation, Undergraduate Academic Studies
5.	M103	Mechanics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
6.	M107	Mechanics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	M201	Mechanics 3	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
8.	M2411	Theory of Oscillation	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
9.	M4301	Computer Methods in Mechanics	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	M45021	Computer Methods in Mechanics 2	(M40) Technical Mechanics and Technical Design, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

1.	Rakarić Z., Kovačić I.: An elliptic averaging method for harmonically excited oscillators with a purely non-linear non-negative real-power restoring force, in press, Communication in Non-linear Science and Numerical Simulations, 2012, ISSN 1007-5704
2.	Rakarić Z., Kovačić I.: Approximations for motion of the oscillators with a non-negative real power restoring force, Journal of Sound and Vibration, 2011, No 330, pp. 321-336, ISSN 0022-460X
3.	Kovačić I., Rakarić Z.: Study of oscillators with a non-negative real-power restoring force and quadratic damping, Nonlinear Dynamics, 2011, Vol. 64, No 3, pp. 293-304, ISSN 0924-090X, UDK: DOI: 10.1007/s11071-010-9861-9
4.	Cvetićanin L., Kovačić I., Rakarić Z.: Asymptotic methods for vibrations of the pure fractional-order non-linear oscillators, Computers
5.	Kovačić I., Rakarić Z.: Oscillators with a fractional-order restoring force: higher-order approximations for motion via a modified Ritz method, Communication in Non-linear Science and Numerical Simulations, 2010, Vol. 15, pp. 2651-2658, ISSN 1007-5704
6.	Kovačić I., Rakarić Z., Cvetićanin L.: A non-simultaneous variational approach for a certain class of non-linear oscillators , Applied Mathematics and Computation, 2010, Vol. 217, pp. 3944-3954, ISSN 0096-3003
7.	Rakarić Z.: Oscillators with a quasi-constant restoring force: approximations for motion, Meccanica, 2010, ISSN 0025-6455
8.	Rakarić Z., Kovačić I.: Oscillators with a purely nonlinear non-negative real-power restoring force: approximations for free and forced response via elliptic functions and averaging, 7. European Nonlinear Dynamics Conference - ENOC, Rim, 24-29 Jul, 2011, ISBN ISBN 978-88-906234-2
9.	Rakarić Z., Kovačić I.: On the behaviour of forced oscillators with a non-negative real-power restoring force and van der Pol damping, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 1284-1296, ISBN 978-86-909973-3-6
10.	Rakarić Z., Zuković M.: Iteration method solutions for oscillators with sign(x)Abs(x)^alfa elastic force, 2. International Congress of Serbian Society of Mechanics, Palić, 1-5 Jun, 2009, pp. 1-10, ISBN 978-86-7892-173-5, UDK: paper A14

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

Quotation total :	20			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Sladić S. Goran
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.2004
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Science

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

	ID	Course name	Study programme name, study type
1.	E239A	Web Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E2E41	E-Business Systems Security	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E2K41	Distributed Artificial Intelligence and Intelligent Agents	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS36	Elektronsko poslovanje i ugovaranje	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
6.	ISIT10	Introduction to Software Development	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT20	Object-oriented Programming Platforms	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	ISIT2A	Software Development Techniques	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	SE0014	Computer organisation	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

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

	ID	Course name	Study programme name, study type
11.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	SEM009	Identity Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies
19.	SEM017	Information Security	(SE0) Software Engineering and Information Technologies, Master Academic Studies
20.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
21.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Sladić G., Milosavljević B., Surla D., Konjović Z.: Flexible Access Control Framework for MARC Records, The Electronic Library, 2012, Vol. 30, No 5, pp. 623-652, ISSN 0264-0473, DOI:10.1108/02640471211275684
2. Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitive Access Control Model for Government Services, Journal of Organizational Computing and Electronic Commerce, 2012, Vol. 22, No 2, pp. 184-213, ISSN 1091-9392, DOI:10.1080/10919392.2012.667717
3. Sladić G., Milosavljević B., Konjović Z., Vidaković M.: Access Control Framework for XML Document Collections, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 3, pp. 591-609, ISSN 1820-0214, DOI: 10.2298/CSIS100827002S
4. Vidaković M., Milosavljević B., Konjović Z., Sladić G.: Extensible Java EE-Based Agent Framework and Its Application on Distributed Library Catalogues, Computer Science and Information Systems (ComSIS), 2009, Vol. 6, No 2, pp. 1-28, ISSN 1820-0214, DOI: 10.2298/csis0902001V
5. Sladić G., Milosavljević B., Konjović Z.: Extensible Access Control Model for XML Document Collections, 1. International Conference on Security and Cryptology - SECRYPT, Barcelona: INSTICC, 28-31 Jul, 2007, pp. 373-380, ISBN 9789898111128
6. Sladić G.: Kontrola pristupa u poslovnim sistemima, Beograd, Zadužbina Andrejević, 2011, ISBN 978-86-525-0000-0
7. Sladić G.: Kontrola pristupa XML dokumentima, Zadužbina Andrejević, 2008, ISBN 978-86-7244-683-8

Representative refferences (minimum 5, not more than 10)	
8.	Vidaković M., Sladić G., Komazec S.: Sistemi za upravljanje elektronskim sadržajima i njihova primena u e-upravi, InfoM, Časopis za informacionu tehnologiju i multimedijalne sisteme, 2006, No 20, pp. 36-41, ISSN 1451-4397
9.	Sladić G., Milosavljević B., Konjović Z.: Kontrola pristupa XML dokumentima, Info-M, 2005, Vol. 4, No 15-16, pp. 53-59
10.	Milosavljević B., Komazec S., Sladić G.: Open source sistemi za upravljanje dokumentima u e-upravi, Info-M, 2006, Vol. 5, No 20, pp. 25-35

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	54			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Slankamenac P. Miloš
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.2002
Scientific or art field:	Electronics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Electronics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Electronics
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Electronics
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Electronics

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

	ID	Course name	Study programme name, study type
1.	EM414	Optoelectronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	F207	Electronics and Optoelectronics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	EM430A	Control and process electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	EM444B	Applied electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EM455	Electronic multimedia systems	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EM456	Computers in the supervisory and control systems	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	ETI02	Electronics and Telecommunication Development Tools 1	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
8.	ETI09	Electronics	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
9.	ETI14	Digital Electronics	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
10.	ETI22	Sensors and Actuators	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
11.	ETI28	Industrial Electronics	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
12.	ETI38	Optoelectronics for communication and sensors	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
13.	DE201S	Selected Chapters in Optoelectronics and Photonics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
14.	DE503S	Industrial Electronics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
15.	SI013	Applied electronics in industry	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
16.	SI035	Electronic Systems in Oil Industry	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
17.	SI042	Optoelectronics components	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
18.	BMIM1A	Applications of lasers in medicine	(BM0) Biomedical Engineering, Master Academic Studies
19.	DE117S	Selected chapters from optoelectronics sensors systems	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
20.	DE315S	Optoelectronics sensors systems-advanced course	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
21.	DE418S	Design of complex optoelectronics systems	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
22.	EM435A	Electronic Systems in Oil Industry	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
23.	EM437A	The application of electronic systems in clean and renewable energy	(E10) Power, Electronic and Telecommunication 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.	EM439A	Electronics in veichles	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
25.	EM520	Industrial networks and protocols	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
26.	EM521	Applied optoelectronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
27.	EM523	Applied electronics in industry	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
28.	EM532	Design of electronic devices.	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
29.	F510E1	Electronic multimedia systems	(F00) Graphic Engineering and Design, Master Academic Studies
30.	DE201	Selected Chapters in Optoelectronics and Photonics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
31.	DE400	Complex Digital Systems and High Frequency Circuits	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
32.	DE503	Industrial Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
33.	DE117	Selected chapters from optoelectronics sensors systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
34.	DE315	Optoelectronics sensors systems-advanced course	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
35.	DE418	Design of complex optoelectronics systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Miloš P. Slankamenac, Miloš B. Živanov, Nikola Stojanović "Optoelektronske komponente -skripta", Fakultet tehničkih nauka u Novom Sadu, 281 str., 2010.
2. Miloš Slankamenac, Kalman Babković, Ivan Mezei: Mikrokontroler 8051/8052 - praktikum laboratorijskih vežbi, Fakultet tehničkih nauka u Novom Sadu, Edicija: Tehničke nauke – udžbenici, 115 str. ISBN: 978-86-7892-045-5, Novi Sad, 2007.
3. Miloš B. Živanov, Miloš P. Slankamenac, Optoelektronika, praktikum za laboratorijske vežbe, Fakultet tehničkih nauka u Novom Sadu, Edicija: Univerzitetski udžbenik, 110 str. ISBN: 978-86-7892-085-1, UDK: 621.38:535(075.8)(076), Novi Sad, 2008.
4. Slankamenac M., Lukić-Petrović S., Živanov M., Čajko K.: Electrical switching behavior of bulk Cux(AsSe1.4I0.2)100−x glasses: Composition dependence and topological effects, SOLID STATE COMMUN, 2012, Vol. 152, No 13, pp. 1160-1163, ISSN 0038-1098
5. Bajić J., Stupar D., Manojlović L., Slankamenac M., Živanov M.: A simple, low-cost, high-sensitivity fiber-optic tilt sensor, Sensors and Actuators A: Physical, 2012, Vol. 185, pp. 33-38, ISSN 0924-4247
6. Stupar D., Bajić J., Manojlović L., Slankamenac M., Joža A., Živanov M.: A Wearable Low-Cost System for Human Joint Movements Monitoring Based on Fiber-Optic Curvature Sensor, IEEE Sensors Journal, 2012, ISSN 10.1109/JSEN.2007.90
7. Manojlović L., Živanov M., Slankamenac M., Bajić J., Stupar D.: High-speed and high-sensitivity displacement measurement with phase-locked low-coherence interferometry, APPL OPTICS, 2012, Vol. 51, pp. 4333-4342
8. Lukić-Petrović S., Skuban F., Petrović D., Slankamenac M.: Effect of copper on DC and AC conductivity of (As2Se3)(AsI3) glassy semiconductors, Journal of Non-Crystalline Solids, 2010, Vol. 40, No 10, pp. 108-112, UDK: doi:10.1016/j.jnoncrysol.2010.05.009
9. Slankamenac M., Lukić-Petrović S., Živanov M.: Electrical switching in the bulk metal chalcogenide glassy semiconductor Cu10(AsSe1.4I0.2)90, Semicond. Sci. Technol., 2009, Vol. 24, No 8, pp. 1-7, ISSN 0268-1242, UDK: 10.1088/0268-
10. Bajić J., Stupar D., Joža A., Slankamenac M., Jelić M., Živanov M.: A simple fiber optic inclination sensor based on the refraction of light, Physica scripta, 2012, Vol. 149, pp. 1-4, ISSN 0031-8949, UDK: doi:10.1088/0031-8949/2012/T149/014024

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

Quotation total :	26			
Total of SCI(SSCI) list papers :	18			
Current projects :	Domestic :	3	International :	2

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 (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

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

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

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

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

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

	ID	Course name	Study programme name, study type
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
35.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
36.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
37.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
38.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
39.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
40.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
41.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies
42.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)	
1.	Analiza diskursa udžbenika engleskog jezika, Monografija, Zadužbina Andrejević, Beograd 2006.
2.	Retorička organizacija poslovne vesti, Monografija, Zadužbina Andrejević, Beograd 2009.
3.	Engleski jezik za GRID 3 - Academic Writing for Graphic Engineering and Design, FTN Izdavaštvo, Novi Sad 2012.
4.	Using Internet in English Language Teaching, NEW EDUCATIONAL REVIEW, (2011), vol. 26 br. 4, str. 45-59.
5.	Reflections of English Language Teachers Concerning Computer Assisted Language Learning (Call), NEW EDUCATIONAL REVIEW, (2011), vol. 23 br. 1, str. 269-282.
6.	Pragmatički aspekt udžbenika engleskog jezika, Pedagogija, 2009, 1, str.133-145.
7.	Students' Communicative Competence, Zbornik Instituta za pedagoška istraživanja, 2009, 1, str. 180-195.
8.	Retorička analiza lida poslovne vesti, Zbornik Matice Srpske za filologiju i lingvistiku, 2011, 1, str.191-210.
9.	Some Aspects of Technical Statements in Power Engineering, Zbornik radova, XI Međunarodni simpozijum Energetska elektronika Ee 2001, str.150-153.
10.	Genre Analysis of Research Abstract of an Engineering Scientific Paper, In Proceedings of English Language and Literature Studies: Interfaces and Integrations, 10-12 December 2004, Faculty of Philology, Belgrade, pp.365-374.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	20			
Current projects :	Domestic :	0	International :	1

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Graphic Engineering and Design

Science, arts and professional qualifications

Name and last name:	Ševo B. Boško
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Academy of Arts - Novi Sad
	01.08.1988
Scientific or art field:	Graphic Design

Academic carieer	Year	Institution	Field
Academic title election:	2003	Academy of Arts - Novi Sad	Graphic Design
Bachelor's thesis	1974	Faculty of Applied Arts - Beograd	Graphic Design
Magister thesis	-		Graphic Design
PhD thesis	-		Graphic Design

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

	ID	Course name	Study programme name, study type
1.	F230	Design of Graphic Products	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F302I1	Graphic Communication	(F00) Graphic Engineering and Design, Undergraduate Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	BOŠKO ŠEVO, Samostalna izložba " GRAFIČKI DIZAJN" Galerija savremene likovne umetnosti (u prostoru Galerije Matice srpske, sa B. Dobanovačkim)Novi Sad, 27. maj - 6. juni 1975.
2.	BOŠKO ŠEVO, Samostalna izložba "ILUSTRACIJA I TV ANIMACIJA" UPIDIV Novi Sad, 18.-27. septembar 1981.
3.	BOŠKO ŠEVO, Samostalna izložba "GRAFIČKI DIZAJN" Galerija savremene likovne umetnosti (SPC Vojvodina) Novi Sad, 30. septembar - 10. oktobar 1992.
4.	BOŠKO ŠEVO, Samostalna izložba "GRAFIČKI DIZAJN" Na "GRAŠ-u" u okviru 14. Međunarodnog sajma grafičke industrije i štamparstva Beograd, 22.-31. oktobar 1992.
5.	BOŠKO ŠEVO, Samostalna izložba "EKOLOŠKI PLAKAT" Na Novosadskom sajmu "Priroda i čovek" Novi Sad 1 -10. Oktobar 2004..
6.	BOŠKO ŠEVO, Samostalna izložba "SAVE AS" / SAČUVAJ IZLOŽBA EKOLOŠKOG I ANGAŽOVANOG PLAKATA Galerija Ogranka Srpske akademije nauka i umetnosti u Novom Sadu, Novi Sad 1 -14. Septembar 2011. Narodni muzej Zrenjanin, 3 -25. Novembar 2011; Kulturni centar "Laza Kostić", Sombor 4. septembar -2. oktobar 2012.
7.	BOŠKO ŠEVO, Samostalna izložba "IZREKE SU UKRAS GOVORA" grafičko oblikovanje narodnih poslovica i mudrih izreka poznatih i nepoznatih autora na bazi tipografskih rešenja Kulturni centar Novog Sada, Klub "Tribina mladih" Novi Sad, 24.oktobar - 7. novembar 2012.
8.	Boško Ševo; THE 8. INTERNATIONAL TRIENNIAL OF ECOLOGICAL POSTER "The 4th Block" April 27th, 2012, Kharkov, Ukraine
9.	Boško Ševo; 8TH TRNAVA POSTER TRIENNIAL 2012 November 9, 2012 – February 3, 2013, Slovakia
10.	Boško Ševo; Radovi prezentovani na međunarodnim web galerijama: Rene Wanner Poster Page WEB POSTER EXHIBITION-Posters about the earthquake in Japan 11.march. 2011.; WATER IS LIFE The Future We Want: Drop by Drop Internet 1. decembar 2011- 1. mart 2012.;- Gallery - social posterINTERNATIONAL PLATFORM FOR POSTERS WITH SOCIAL CONTENT Leipzig, GERMANY www.plakat-sozial.de (radovi na međunarodnim web galerijama)

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:	Vasić V. Veran
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.1995
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2011		Power Electronics, Machines and Facilities
PhD thesis	2001	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Magister thesis	1996	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Bachelor's thesis	1994	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.	E133	Power Converters	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EE304	Electric Machines 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	EE307	Electric Machines 2	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	EE401	Electric Machines 3	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EE520	Design of Electrical Machines and Converters	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EOS18	Industrial Protocols and Network	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
7.	F203	Electrical Machines	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
8.	H351	Electrical Machines	(H00) Mechatronics, Undergraduate Academic Studies
9.	EE424A	Power Electronic in Drive and Industry	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	DE210S	Selected topics in electrical machines	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	EE520	Design of Electrical Machines and Converters	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
12.	DE210	Selected Chapters in Electric Machinery	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
13.	DOM28	Modeling and Simulation of Driving Systems	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Dumnić B., Katić V., Vasić V., Milićević D., Delimar M.: An Improved MRAS Based Sensorless Vector Control Method for Wind Power Generator" Journal of Applied Research and Technology – JART, October 2012, Center for Applied Sciences and Technological Development, National Autonomous University of Mexico (UNAM), ISSN: 1665-6423, [Online]. Available: http://www.jart.ccadet.unam.mx/volumen10_5.htm
2.	Kulić F., Matić D., Dumnić B., Vasić V.: Optimal fuzzy controller tuned by TV-PSO for induction motor speed control, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 1, pp. 49-54, ISSN 1582-7445
3.	Vasić V., Marčetić D., Jeftenić B., Vladan J.: Speed-Sensorless Control of Induction Motor Based on Reactive Power with Rotor Time Constant Identification, IET ELECTR POWER APP, 2010, Vol. 4, No 6, ISSN 1751-8660
4.	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

Representative refferences (minimum 5, not more than 10)

5.	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
6.	Oros Đ., Vasić V., Marčetić D.: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components&Systems, 2008,Vol.36.No.12,pp.1318-1336.
7.	Reljić D., Vasić V., Ostojić D., Dumnić B.: A Comparision of PI Current Controllers in Field Oriented Induction Motor Drive, Journal of Advances in Electrical and Computer Engineering, 2006, Vol. 6, No 2, pp. 46-51, ISSN 1582-7445
8.	V. Vasić, S. Vukosavić, E. Levi, “A stator resistance estimation scheme for speed sensorless rotor flux oriented induction motor drives”, IEEE Transaction on Energy conversion, vol. 18 no.4, pp. 476-483, december 2003.
9.	V. Vasić, S. Vukosavić, “Sensorless MRAS Based Induction Motor Control with Paralelle Speed And Stator Resistance Estimation”, European Transactions on Electrical Power – ETEP, Vol. 12 no.2 pp. 135-139. March/April 2002.
10.	V. Vasić, S. Vukosavić, “Robust MRAS based algorithm for stator resistance and rotor speed identification”, IEEE Power Engineering Review, vol. 21 no.11, November 2001.

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

Quotation total :	73			
Total of SCI(SSCI) list papers :	9			
Current projects :	Domestic :	3	International :	1

Science, arts and professional qualifications

Name and last name:	Vidaković P. Milan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	20.01.1998
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

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

	ID	Course name	Study programme name, study type
1.	E239A	Web Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E2K41	Distributed Artificial Intelligence and Intelligent Agents	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
4.	GI211	Geoinformatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI111	Information technologies in geodesy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	AD0008	Web design in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
11.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control 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
12.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
13.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vidaković, M., Milosavljević, B., "Internationalisation of the BISIS Library Information System", Proceedings of the 28th International Unicode Conference, Orlando, USA, September 7-9, 2005.
2. Vidaković, M., Sladić, G., Zarić, M., "Metadata Harvesting Using Agent Technology", Proceedings of the 8th IASTED International Conference on Software Engineering and Applications (SEA 2004), Cambridge, USA, November 9-11, 2004., pp. 489-493
3. Vidaković M., Sladić G., Komazec S., "Sistemi za upravljanje elektronskim sadržajima i njihova promena u eUpravi", Info M: časopis za informacione tehnologije i multimedijalne sisteme, 2006., pp. 36-41, ISSN 1451-4397
4. Vidaković, M., Zubić, T., Milosavljević, B., Pupovac, B., Tošić, T., "Processing Bibliographic Documents in the Library Inforation System BISIS", Proceedings of the International Conference on Distributed LibraryInformation Systems, Ohrid, Former Yugoslav Republic of Macedonia, June 1-6, 2004., pp. 65-91.
5. Vidaković, M., Sladić, G., Konjović, Z., "Security Management In J2EE Based Intelligent Agent Framework", Proceedings of the 7th IASTED International Conference on Software Engineering and Applications (SEA 2003), Marina Del Rey, USA, November 3-5, 2003., pp. 128-133.
6. Milosavljević B., Vidaković M., Komazec S. and Milosavljević G., "User Interface Code Generation for Data-Intensive Systems with EJB-based Data Models", In Software Engineering Research and Practice, Las Vegas, NV, USA, 2003.
7. Vidaković, M., Konjović, Z., "EJB Based Intelligent Agents Framework", Proceedings of the 6th IASTED International Conference on Software Engineering and Applications (SEA 2002), Cambridge, USA, November 4-6, 2002., pp. 343-348.
8. Vidaković M., "Agentska okruženja", Zadužbina Andrejević. Beograd, 2007, ISBN: 9-788672-446210
9. Milosavljević B., Vidaković M., Java i Internet programiranje, FTN izdavaštvo, 2007., ISBN 978-86-7892-047-9
10. Okanović D., Vidaković M., „Upotreba JMX mlet servisa za ažuriranje verzija aplikacija“, Zbornik radova YuInfo 2007 (CD), Kopaonik 2007.

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

Quotation total :	119			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Vučinić-Vasić T. Milica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.04.2000
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	2007	Faculty of Sciences - Novi Sad	Physics
Magister thesis	2000	Faculty of Sciences - Novi Sad	Physics
Bachelor's thesis	1996	Faculty of Sciences - Novi Sad	Physics

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

	ID	Course name	Study programme name, study type
1.	F102	Physics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
5.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Milica Vučinić-Vasić, Divko Ćirić, Tatjana Škrbić, Miroljub Đurić, Zbirka zadataka iz fizike, FTN Izdavaštvo, Novi Sad 2005.
2.	Ljuba Budinski-Petković, Milica Vučinić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za računarstvo i automatiku, S PRINT, Novi Sad, 2003
3.	Ljuba Budinski-Petković, Milica Vučinić-Vasić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za mašinstvo – odsek za grafičko inženjerstvo – odsek za mehatroniku, Delta press, Novi Sad, 2003.
4.	Vučinić-Vasić M.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447

Representative refferences (minimum 5, not more than 10)

5.	Vučinić-Vasić M., Mihailović A., Kozmidis-Luburić U., Nemeš T., Ninkov J., Zeremski T., Antić B.: Metal contamination of short-term snow cover near urban crossroads: Correlation analysis of metal content and fine particles didtribution, Chemosphere, 2012, Vol. 6, No 86, pp. 585-592
6.	Kremenović A., Jančar B., Ristić M., Vučinić-Vasić M., Rogan J., Pacevski A., Antić B.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447
7.	Antić B., Kremenović A., Vučinić-Vasić M., Dohcević-Mitrović Z., Nikoloć A., Gruden-Pavlović M., Jančar B., Meden A.: Composition related properties of (Yb,Y)(2)O-3 nanoparticles synthesized by controlled thermal degradation of AA complexes, Materials chemistry and physics, 2010, Vol. 122, No 2-3, pp. 386-391, ISSN 0254-0584
8.	Antić B., Rogan J., Kremenović A., Nikoloć A., Vučinić-Vasić M., Božanić D., Goya G., Colomban P.: Optimization of photoluminescence of Y2O3:Eu and Gd2O3:Eu phosphors synthesized by thermolysis of 2,4-pentanedione complexes, NANOTECHNOLOGY, 2010, Vol. 21, No 24, pp. 2457-2457, ISSN 0957-4484
9.	Jović N., Vučinić-Vasić M., Kremenović A., Antić B., Jovalekić Č., Vulić P., Kahlenberg V., Kaindl R.: HEBM synthesis of nanocrystalline LiZn0.5Ti1.5O4 spinel and thermally induced order-disorder phase transition (P4332-Fd3m), Materials chemistry and physics, 2009, No 2-3, pp. 542-549, ISSN 0254-0584
10.	Vučinić-Vasić M., Antić B., Blanuša J., Rakić S., Kremenović A., Nikolić A., Kapor A.: Formation of nanosize Li-ferrites from acetylacetonato complexes and their crystal structure, microstructure and order-disorder phase transition , Applied Physics A, 2006, Vol. 82, No 1, pp. 49-54, ISSN 0947-8396

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

Quotation total :	53			
Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	1

Standard 10. Organizational and Material Resources

To perform the study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are provided. Classes on the study programme Graphic Engineering and Design are held in such a manner so the minimum of 2 m2 of space is provided per student.
Lectures are held in amphitheatres, classrooms, and specialized laboratories. The laboratory of the Department for Graphic Engineering and Design is, regarding the available equipment, the most modern laboratory in our country and in the region. The Department has the most contemporary literature published by the leading institutions in this field in the world. The Department is a member of the prestigious world institution for standardization FORGA. The library has an adequate number of reference units relevant for teaching at the study programme Graphic Engineering and Design. All courses at the study programme in Graphic Engineering and Design use appropriate 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.
Faculty has the library and the study room and provides a seat for each student in amphitheatres, classrooms and laboratories.

Standard 11. Quality Control

Estimation of the study programme quality is elaborated regularly and systematically via self-evaluation and external quality control. One should place an emphasis on the multi-decade practice of students` surveys.
The quality control process is conducted through:
-end of the term students survey for each course
-survey of the graduating students at the graduation regarding the quality of the study programme and the logistic support. In addition, the conditions for studying (classroom tidiness and neatness, etc…) are also evaluated.
-survey of the students at the end of the school year. At this point the students evaluate logistics support.
-survey of the student when enrolling a new school year. Here the students evaluate the study program at the year which they have previously completed.
-survey of the teaching and non-teaching staff on the quality of the study programme and its logistic support. Here the work of the Dean`s office, registrar`s office, library, and other services at the Faculty is evaluated. In addition, the conditions for studying (classroom tidiness and neatness, etc…) are also evaluated.
To monitor the quality of the study programme, there is also a committee with all heads of all Departments participating in the realization of the study programme, together with a student from each study group.

Standard 12. Distance Education

Distance learning is not provided for.