



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

GRAPHIC ENGINEERING AND DESIGN

MASTER ACADEMIC STUDIES

Novi Sad

2012.



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Graphic Engineering and Design

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, professional or art field	Graphic Engineering and Design: Technical Sciences; Art
Type of studies	Master Academic Studies
Study scope, expressed in ECTS	60
Academic degree, abbreviation	Master in Graphic Engineering and Design, M.Graph.Eng.Des.
Study length	1
Programme implementation starting year	2008
Future course implementation starting year (for new programme)	
Number of students attending this programme	38
Planned number of students to be enrolled in this programme	64
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs



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Standard 00. Introduction

The study program of the Master Academic 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. It is clear that for the development of graphic industry high educated experts are needed, especially the experts with Master degrees which acquired knowledge about the research methods within the field of graphic technologies. 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, experts with Master degrees are required. For this purpose in 1999 the study program of Graphic Engineering and Design was formed, which brought a lot of attention and interest in studying for a very short time. 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 Master Studies in 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 Master 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 Master Studies. These studies are designed to provide wide variety of courses according to the research preferences, which will help students to determine their field of interest and define their Master thesis topic.

During the Master Studies special focus is placed on research activities, independent work is highly appreciated, students are encouraged to participate in specific technical and development projects within the laboratories, skills necessary for experimental work are emphasized and developed. New modern laboratory, which contains most of the devices necessary for experimental work 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 experimental knowledge, the sense of personal security and fulfilment is obtained, required for successful integration into the professional and institutional environment.

With its own dynamics of development, especially in the growth of the laboratory capacities, Master 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 educating Masters is significantly raised.

Master 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 specialization on Specialist and Doctoral Studies. Master Academic Studies are formed to last one academic year, which is consistent with the intentions of this study program.



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Standard 01. Programme Structure

The name of the Master Academic Studies is Graphic Engineering and Design. The study program of the Master Studies in Graphic Engineering and Design is structured with only one study group. This concept has been adopted in order to create quality and fundamentally strong educational profile of Masters, 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 the Master Studies, students can be involved in further study process on the Specialist and Doctoral 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 subjects is well balanced, so that the outcome is getting quality educated Master engineering profile with the wide acquired knowledge and research experience.

Mastering the study program is conducted through teaching that consists of lectures and exercises. Part of the exercises is performed through the practical research in the graphic industry companies, which helps student to determine their own segment of research. 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 specific knowledge about setting and method for performing the experiments. For the purpose of practical exercises there are workbooks for each course, which are well metodologically 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 Master Studies, finish the Master thesis and thereby collect a minimum of 300 ECTS.

Academic title acquired is the Master of Graphic Engineering and Design. The outcome of the learning process is the knowledge that allows student to use the professional literature, application of acquired knowledge for solving the problems that arise in the field and providing the possibility for further studies on Specialist and Doctoral Studies.

Requirements for enrolling the program of the Master Studies in Graphic Engineering and Design are completed four-year-long studies of appropriate orientation (240 ECTS) and passed the qualification exam. The qualification exam evaluates knowledge for the studies in Graphic Engineering and Design carries the maximum of 60 points. The qualification exam is considered passed if the candidate obtains the minimum of 14 points.



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Standard 02. Programme Objectives

The purpose of the study program of the Master Academic Studies is to educate students for the profession of Master of Graphic Engineering and Design in accordance with the needs of the printing industry and the wider economy and society, which have its 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 Master student education is focused on quality and the application of knowledge for the development of graphic industry. Study program of the Master 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 basic 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 Master 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, Masters 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 Masters of Graphic Engineering and Design into the Doctoral Studies at many foreign universities.



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Standard 03. Programme Goals

The main objective of the Master study program is the achievement of competencies and academic skills in the areas of graphic engineering and design, which belong to the area of engineering both from the aspect of technology and applied design. Basic goal is fulfilled through secondary objectives that include:

Acquiring the interdisciplinary knowledge by mastering the courses regarded to advanced and applied knowledge in the field of graphic engineering, art courses, design, computer science and the methods of management.

Research knowledge. Obtaining the necessary research knowledge for the formulation of projects and problems, together with the plans to address them by using various technical, experimental 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 Academic 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: research ability, safety, ethics, ecology and economy.

One of the goals is also the leadership in the quality of the Master education especially within the countries of South Eastern Europe, which was proven in competitions within the various fields in the previous accreditation period by winning the first places in scientific subjects.



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Standard 04. Graduates` Competencies

Graduated students of the Master Studies in Graphic Engineering and Design are competent to deal with the real problems in practical work and to continue their education on Specialist and Doctoral Studies if they choose to do so. Competencies include, above all, the development of critical thinking for engineering research, capabilities for experimental work, problem analysis, synthesizing the solutions, presenting the chosen solution and predicting its behavior with the clear idea of all the 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 the research scientific and engineering methods and procedures. Regarding the interdisciplinary nature of the study program, the ability to relate basic knowledge in various fields and practical application is especially important. Graduated Master students of Graphic Engineering and Design are able to properly conduct the research, 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. Students obtain the high level of experience for experimental work by using the instrumental, objective research methods.

Graduated student from this level of study are competent to use their knowledge for conducting the research, 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 graphic production. During the Master studies student gains the certitude, competency and the independence. Master students 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 graduated Master students are of special importance for research and development in 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



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- 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.

In all these activities research and development takes an important part, contributing to a high extent to the development of production processes.



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Standard 05. Curriculum

The curriculum of the Master 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 applied engineering 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 scientific and research 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 on Master Studies. The order of courses within the Master 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. Master study program is compliant with the European standards in terms of admission requirements, length of study, conditions for passing to the next year, acquiring the Master diploma and study methods.

An integral part of the Master 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. It is designed so that students can notice the problems, which will be a base for research within the Master thesis.

A student completes the studies by writing the Master thesis, which consists of theoretical and methodological preparation necessary for in-depth understanding the field of interest, and the development of the experimental work itself. Before the thesis presentation student is required to publish a paper about the subject of the research in some scientific journal.

The candidate also had to elaborate the theoretical and methodological basis. The final grade is derived from the grade in theoretical and methodological preparation, thesis creation and presentation. Master 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.

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Table 5.2 Course specification

Course:		Graphic Packaging			
Course id:	F502				
Number of ECTS:	4				
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 to adopt contemporary theoretical and practical knowledge in the field of graphic engineering and design.					
2. Educational outcomes (acquired knowledge): Acquired knowledge is used in the profession, researching, individual work, as well as in further education.					
3. Course content/structure: Production of packaging, significance and role of packaging. Paper and paperboard packaging. Admission of raw materials and half-products intended for package production. Package design, form preparation and manufacturing. Paper packaging. Flexible packaging. Rigid packaging. System packaging. Packaging standards. Cardboard and corrugated board package. Types, design, manufacturing equipment for manufacturing technology. Quality control of packaging. Other types of packaging. Package printing.					
4. Teaching methods: Lectures are conducted by contemporary didactic means and methods, interactive 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	
Computer exercise defence		Yes	20.00	Written part of the exam - tasks and theory	
Computer exercise attendance		Yes	2.00	Oral part of the exam	
Laboratory exercise attendance		Yes	3.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Novaković, D.	Grafička ambalaža		FTN, Grafičko inženjerstvo i dizajn, elektronski oblik	2008
2,	Nelson R. E.	Package Printing		Jelmar Publishing Co, NY	1993
3,	Vujković I.	Polimerna i kombinovana ambalaža		Poli, Novi Sad	1997
4,	Klimchuk M. R., Krasovec S. A	Packaging Design		John Willey & Sons, Inc.	2006
5,	Kirwan M. J.	Paper and paperboard packaging technology		Blackwell Publishing, London	2005
6,	..	Structural package designs		The Pepin press/Agile Rabbit editions	2003
7,	Lazić, V., Novaković, D.	Ambalaža i životna sredina		Tehnološki fakultet	2010

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Table 5.2 Course specification

Course:		Spatial Design			
Course id:	F506				
Number of ECTS:	4				
Teachers:	Nedeljković M. Slobodan, 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:	
2	0	2	0	2	
Precondition courses		None			
1. Educational goal:					
<p>The objective of the study programme is for the students to learn theoretical and practical knowledge within the predicted course in the field of spatial design to get faced with the challenges in these areas and to become capable for individual design of project tasks. Students are formed to be complex graphic designers, socially responsible, capable to evaluate the aesthetic level of the project being realized and having the ability to creatively complete and finish the projects.</p>					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge is used in profession, researching, individual work, as well as in further education.					
3. Course content/structure:					
<p>Main notions in spatial design, sculpture, short historical development of sculpture, Mesopotamia, Egyptian art, ancient Greece, Fidia, Myron, Praxiteles. Antique period with its characteristics: proportions, contrapposto, golden ratio. Renaissance sculpture, sculpture in baroque and classicism, sculpture in 20th century, contemporary sculpture, modern art. Two-dimensional graphics, vector and raster graphics, illustration in design, fundamentals in animation. Three-dimensional graphics, basic geometrical forms in space. creating and modifying shapes, item positioning in three-dimensional space, space lightening, defining surface properties of three-dimensional objects, shooting spatial scenes, movement animation and changes in object shapes in space, output formats, purpose and application, postproduction of output formats, application of spatial generated elements in design, application of spatial graphics in commercials, spatial graphics and art.</p>					
4. Teaching methods:					
Lectures, Computer (C) Practice, Consultations					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	
Computer exercise attendance		Yes	5.00	Theoretical part of the exam	
Graphic paper		Yes	20.00	Oral part of the exam	
Graphic paper		Yes	20.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Oliver Grau	VIRTUELNA UMETNOST, Massachusetts Unstitute of Technology		Klio	2008
2,	Nemanja Brkič	TEHNOLOGIJA SLIKARSTVA I VAJARSTVA I IKONOGRAFIJE		Univerzitet u Beogradu	1991
3,	Eliot Goldfinger	HUMAN ANATOMY FOR ARTISTS		Oxford Universiti Prese	1991
4,	-	3D Total; DIGITAL ART MASTERS		Focal Pres	2009

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Table 5.2 Course specification

Course:		Graphic Environment			
Course id:	F409				
Number of ECTS:	4				
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: Enabling and educating students in order to protect environment in graphic environment.					
2. Educational outcomes (acquired knowledge): Acquired knowledge is used in solving engineering problems related to waste and pollution in graphic environment.					
3. Course content/structure: Fundamental ecological concepts – environment disturbance, protection, toxicology, pollutants behaviour, pollution sources, pollutants distribution, pollutants of graphic industry. Air pollution – sources, forms, photo-chemical reactions, global effects, waste gasses, protection, purification techniques, printing indoor air pollutants. Water pollution – forms, pollutants, chemical characteristics of printing wastewaters, purification techniques. Solid waste – separation procedures, processing, landfills, printing solid wastes. Noise and vibrations – main terms, noise and vibration in graphic industry.					
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 specific to environmental printing pollution testing and independent analysis and presentation of results. In addition to lectures and experimental exercises are regularly held consultations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	
Laboratory exercise attendance		Yes	5.00	Oral part of the exam	
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	Grafičko okruženje, skripta		kopirnica Elektra	2006
2,	G.Schwedt	The Essential Guide to Environmental Chemistry		John Wiley & Sons, LTD, Chichester, UK	2001
3,	N.R.Eldred	Chemistry for the Graphic Arts, Third Edition		GATFPress, Pittsburgh	2001
4,	I.A.Šilov	Ekologija		Moskva, "Višaja škola"	2003
5,	Jelena Kiurski, Savka Adamovic	Graficko okruzenje, praktikum		FTN Izdavastvo, Novi Sad	2010

Table 5.2 Course specification

Course:		Colour Management				
Course id:	F50419					
Number of ECTS:	3					
Teachers:	Karlović Đ. Igor, Pavlović S. Živko, 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	2	0	0		
Precondition courses		None				
1. Educational goal:						
<p>The objective of this course is to introduce students to the fundamental concept of colour management in digital systems for colour reproduction in graphic industry. Students will be introduced with basic elements of the colour management system, concepts for colour information digitalization, their quantification and transformation modes in order to preserve original values. The course includes basic concepts of calibration, characterization and profiling of input, presenting and output devices in digital working flows. At the end of the course students will be trained to perform a colour management system set-up in the graphic industry, and to perform the instrumental information management related to proper and faithful colour reproduction.</p>						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge is used in profession, research, individual work, as well as in further professional development.						
3. Course content/structure:						
<p>Basics in colour management (concept of ICC colour management, CMM, survey purposes, profiles, PCS). Colour management working flows. Fundamental concepts in calibration, characterization and profiling (colour range, tone reproduction curve, dynamic range). Colour gamut mapping. Fundamentals in ICC profiles (structure, LUT matrix digitalization system). Arranging, controlling and applying ICC systems. Colour management in presenting devices (CRT, LCD, plasma screens). Colour management in projection devices (DLP, Lcos, LCD projectors). Colour management in input devices (digital camera, scanner). Colour management in output devices (digital and conventional printing and printing systems). Colour management in operation systems, Internet applications. Procedure standardization in colour management.</p>						
4. Teaching methods:						
Teaching is held with contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures. At practice, lecture content is repeated and knowledge is expanded by using measuring equipment. Apart from lectures and practice, consultations are also 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
Laboratory exercise defence		Yes	20.00			
Lecture attendance		Yes	5.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Abhey Sharma	Understanding Color Management		Delmar Cengage Learning	2003	
2,	Bruce Fraser,Chris Murphy,Fred Bunting	Real World Color Management (2nd Edition)		Peachpit Press	2004	
3,	Phil Green, Michael Kriss	Color Management: Understanding and Using ICC Profiles		Wiley	2010	
4,	Jan Peter Hoffman	Digitales Colormanagement: Grundlagen und Strategien zur Druckproduktion mit ICC-Profilen, der ISO 12647-2 und PDF / X-1a, X media press		Springer	2007	
5,	Edward J. Giorgianni, Thomas E. Madden Michael A. Kriss	Digital Color Management: Encoding Solutions		Wiley	2009	
6,	Jan Morovic	Color gamut mapping		Wiley	2008	

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Table 5.2 Course specification

Course:		<h2 style="margin: 0;">English Language for GRID 3</h2>				
Course id:	F507					
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						
<p>1. Educational goal:</p> <p>Further improving and developing all language skills at the C1 level of the Common European frame for foreign languages in the area of materials covered by this course. Mastering the vocabulary for the demands of academic writing in area of Graphic Engineering and Design, as well as improving skills of written communication in the English language.</p>						
<p>2. Educational outcomes (acquired knowledge):</p> <p>Students are capable while reading, writing, listening and talking to function at the level approximate to C1 level of the Common European frame for foreign languages. They have a large vocabulary related to topics from the course, they use it adequately. They confidently use grammar defined at this level and are capable of academic writing in area of graphic engineering and design.</p>						
<p>3. Course content/structure:</p> <p>Grammatical structure and language skills of written expression at the C1 level of the Common European frame for foreign languages. Vocabulary related to topics covered by literature. Developing all language skills necessary for academic writing, as well as analyzing rhetorical structure of academic genre for its proper usage.</p>						
<p>4. Teaching methods:</p> <p>The emphasis is placed on students' activities during the class, their interaction with the teacher and among themselves with a lot of homework in order to develop the skills of academic writing. Communicative approach is used in teaching a foreign language.</p>						
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,	Šafranj Jelisaveta	Engleski jezik za GRID 3 - Academic Writing for Graphic Engineering and Design		FTN Izdavaštvo	2012	

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Table 5.2 Course specification

Course:		Advertising Efficiency				
Course id:	F50415					
Number of ECTS:	3					
Teacher:	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: ...						
2. Educational outcomes (acquired knowledge): ...						
3. Course content/structure: <p>Effective Advertising course includes theoretical and practical part. The lectures in the theoretical part of the course include the following topics:</p> <ul style="list-style-type: none"> •General principles and paradigms of efficiency •Visual rhetoric and semiotics •Semiotic analysis of advertising / Roland Barthes and Umberto Eco •Classical models of consumer behavior •The formation process of motivation / decision making •Motivation and emotion / drivers of consumer behavior •Conceptual models / cognitive, affective and dualistic model •Attitude toward the ad as a mediator of efficiency •The role of emotion in advertising / measuring emotions •Emotional response as a mediator of efficiency / empirical findings •Schema theory and the theory of schema matching / empirical findings •Marketing ethics, misconduct and value <p>The exercise in the practical part of the course include the following topics:</p> <ul style="list-style-type: none"> •Ad design •Empirical research of the effectiveness of advertising content ads 						
4. Teaching methods: Lectures, research practice , consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance		Yes	5.00	Theoretical part of the exam	Yes	30.00
Graphic paper		Yes	20.00	Oral part of the exam	Yes	20.00
Lecture attendance		Yes	5.00			
Term paper		Yes	20.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Nedeljković, M.	Marketinški priručnik, D.O.O. Dnevnik - Novine i časopisi, Novi Sad		D.O.O. Dnevnik - Novine i časopisi, Novi Sad	2001	
2,	Messarís, P.	Visual Persuasion		Sage Publications, Inc.	1997	
3,	Babin, J.B; Harris, G.E;	Ponašanje potrošača		Data status, Beograd	2012	
4,	Poels, K; Dewitte, S.	How to Capture the Heart? Reviewing 20 Years of Emotion Measurement in Advertising/e-book		Dept. of Marketing and Organization studies, Faculty of Economic and Applied Economic, Catholic University of Leuven	2006	

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Table 5.2 Course specification

Course:		<h2 style="margin: 0;">German Language for GRID 3</h2>			
Course id:	F508				
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:					
<p>Mastering the vocabulary related to business communication; emphasis is on mastering the written form of business correspondence, and also on partial mastering the situations in business correspondence using personal or phone conversations. Repeating previously learnt grammar structures, both simple and more complex ones, necessary for diverse situations in business communication.</p>					
2. Educational outcomes (acquired knowledge):					
<p>Students are able to write their curriculum vitae, business letters for business correspondence, and they are capable of conducting a conversation in business communication.</p>					
3. Course content/structure:					
<p>Practical part of the course: reading and understanding business letters, individual writing of business letters and conducting business conversations, understanding in listening texts. Theoretical part of the course: final sentences, verb rection, adjective inflection, perfect, imperfect, temporal clauses, conditional clauses, causal clauses, passive, future, comparison, relative clauses.</p>					
4. Teaching methods:					
<p>Emphasis is on written form, but also on communication. Students have a conversation that was previously designed and related to situations in business communication.</p>					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	
		Mandatory	Points		
Test	Yes	10.00	Written part of the exam - tasks and theory		Yes 35.00
Test	Yes	10.00	Oral part of the exam		Yes 35.00
Test	Yes	10.00			
Literature					
Ord.	Author	Title		Publisher	Year
1,	Axel Hering, Magdalena	Geschäftskommunikation		Hueber Verlag	2003

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Table 5.2 Course specification

Course:		3D Printing				
Course id:	F50410					
Number of ECTS:	3					
Teacher:	Lužanin B. Ognjan					
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: Introducing students to modelling methods for three-dimensional objects, as well as animation.						
2. Educational outcomes (acquired knowledge): Acquired knowledge is used in profession, research, individual work, as well as in further educational process.						
3. Course content/structure: General overview on the role of technologies for rapid prototyping, main notions, advantages and drawbacks. Procedure classification – procedures based on fluid hardening, particle merging and solid materials. Main technologies in 3D printing, functioning principle and 3D printer construction. Materials used in 3D printing. The role of software technologies in the general scheme of 3D printing process, generating 3D model for 3D printing. Input of digital 3D model into the system for 3D printing, STL (stereolithography) format – principles and characteristics. Evaluation and corrections of STL database. Final processing of 3D prototype. Basic modelling principles in the software package Rhinoceros. Techniques for advanced modelling – surface modelling using NURBS curves. Evaluation of 3D model – types of continuity in curves and planes, analysis of curves and planes. 3D digitalization in the function of graphic product manufacturing, principles and practical application. Software technologies for photo-realistic visualization of 3D prototypes for graphic products, basic notions. Visualization – selection of materials, texture mapping, camera adjustment – selection of the observation height and angle, light sources.						
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	30.00
Lecture 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,	Chua,C.H.,Leong,K.F.,Lim,,C	Rapaid Polotyping Priciples and Aplications, thirs edition		World Scientific Publising Co.	2010	
2,	Gibson,I., Rosen,,D.W., Stucker,B.	Additive Manufacturing Techonlogies: Rapaid Prototyping to Direct Digital Manufacturing.		Springer Verlag	2010	
3,	Plančak,M.	Brza izrada prototipova, modela i alata		Fakultet tehničkih nauka nauka-edicija: "Tehničke nauke-udžbenici ",Novi Sad	2004	

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Table 5.2 Course specification

Course:		Electronic Publishing				
Course id:	F402					
Number of ECTS:	5					
Teachers:	Ćulibrk R. Dubravko, Marković D. Vidan, Milosavljević P. Branko, Suvajdžin Rakić B. Zorica					
Course status:	Mandatory					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
2	0	4	0	0		
Precondition courses						
1. Educational goal: Introducing students to concepts, methods and technologies in the field of electronic publishing. Enabling students for work in the field of electronic publishing.						
2. Educational outcomes (acquired knowledge): Application of methods and technologies in the field of electronic publishing in practice.						
3. Course content/structure: Notion of electronic documents. Characteristics of distribution media. Digitalization and archives. Standards in electronic publishing. Digital libraries. Finding information. Interactive systems. Systems for distant learning. Technological support to legal aspects in electronic publishing.						
4. Teaching methods: Lectures, computer (C) practice, consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Computer exercise defence		Yes	50.00	Written part of the exam - tasks and theory	Yes	50.00
Literature						
Ord.	Author	Title		Publisher	Year	
1,	William E. Kasdorf	The Columbia Guide to Digital Publishing		Columbia University Press	2003	
2,	David Hunter et al	Beginning XML		Wrox Press	2003	
3,	Fred Piper, Sean Murphy	Cryptography: A Very Short Introduction		Oxford University Press	2002	
4,	Schmitt U.	Computer Publishing- Grundlagen und Anwendungen		Springer	1997	

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Table 5.2 Course specification

Course:		Professional Practice – Master				
Course id:	F505					
Number of ECTS:	4					
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:						
Enabling students for abstract thinking, and acquiring basic knowledge in the area.						
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:						
<ul style="list-style-type: none"> - 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. <p>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.</p>						
4. Teaching methods:						
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	

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Table 5.2 Course specification

Course:		Studijski istraživački rad na teorijskim osnovama master rada				
Course id:	FSIM					
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	10	0		
Precondition courses		None				
1. Educational goal:						
<p>The application of basic theoretical, methodological, scientific, technical and professional knowledge and application specific problem solving methods within the selected area. Within this part of the master thesis, student studies the problem, and the complexity of its structure and on the basis of the analysis draws the conclusions on the possible ways of solving it. Studying the literature students are introduced to the methods intended for solving similar tasks using engineering practice. The aim of these activities of the students in this part of the research is to acquire the necessary experience in solving complex problems and tasks, and possibilities for the application of previously acquired knowledge into practice.</p>						
2. Educational outcomes (acquired knowledge):						
<p>Training students to independently apply previously acquired knowledge in various areas that have been previously studied, in order to review the structure of the given problem and by system analysis to draw conclusions on possible directions for its resolution. By using literature independently, students expand their knowledge of the chosen field and study various methods and papers relating to similar issues. In this way, the student develops the ability to conduct analysis and identify problems within the given topic. Practical application of acquired knowledge in different areas develops in students the ability to identify the place and role of engineers in the chosen field, and the need for cooperation with other professions and teamwork.</p>						
3. Course content/structure:						
<p>Formed in accordance with the individual requirements of the masters thesis, based on its complexity and structure. Students study literature, graduate and master student projects that deal with similar topics, make analyzes in order to find solutions for specific task which is defined as the task of the master thesis. Part of teaching the course is conducted through independent study research. Study work includes active monitoring of the primary themes of knowledge, organization and conduct experiments, numerical simulation and statistical analysis of data, writing and / or disclosure of the conference from the narrow field of science teaching which belongs to the master thesis work.</p>						
4. Teaching methods:						
<p>The mentor of the master work compiles task and aims and goals to be achieved and submits it to the student. The student is required to work within the framework of the development of a given topic, which is defined by the task and goal of the master thesis, using literature proposed by the mentor. During the preparation of a master thesis, the mentor can give students additional guidance, reference to specific literature and further directed him in producing quality research work. In the research study, the student consults with the supervisor, if necessary, with other teachers who are dealing with the topics of the field work. Within a given topic, the student, if necessary performs certain measurements, tests, counts, surveys and other research, statistical data analysis if it necessary to achieve the aims and task of the master thesis.</p>						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Writing the master thesis		Yes	50.00	Master thesis defence	Yes	50.00
Literature						
Ord.	Author	Title		Publisher	Year	
1,	grupa autora	časopisi sa Kobson liste		Kobson	2010	
2,	grupa autora	časopisi i diplomski-master radovi			2010	

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Table 5.2 Course specification

Course:		<h2 style="margin: 0;">Preparation and Defence of Master Thesis</h2>				
Course id:	F5DMR					
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				
<p>1. Educational goal:</p> <p>To obtain knowledge on the manner, structure and form of writing reports after performed analyses and other activities during the preparation for the Master thesis. On completing the Master thesis, students acquire experience for writing papers where it is necessary to describe the problem, methods used, and procedures and results obtained. Furthermore, the objective of the elaboration and defence of the Master thesis is to develop abilities in students to prepare the results of individual work in the proper form for public presentation, as well as to answer any remarks and questions related to the set task.</p>						
<p>2. Educational outcomes (acquired knowledge):</p> <p>Enabling students for systematic approach to solving the set tasks, perform analyses, apply the obtained knowledge and accept the knowledge from other areas in order to find solutions for the set problem. 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 Master 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.</p>						
<p>3. Course content/structure:</p> <p>Formulated for each student in particular, in accordance with the demands and the area enclosed within the set task of the Master thesis. The student, in agreement with the mentor, completes the Master thesis in the written form in accordance with the regulations of the Faculty of Technical Sciences. The student prepares and defends the written Master thesis in public, in agreement with the mentor and in accordance with the prescribed procedure and regulations.</p>						
<p>4. Teaching methods:</p> <p>During the elaboration of the Master thesis, the student consults with the mentor, and if needed, with other professors working in the area related to the Master thesis topic. The student completes the thesis, and on obtaining the agreement by the committee for the evaluation and defence, presents the binding copies to the committee. The defence of the Master thesis is public, and the student has the obligation, after the presentation, to orally address any questions or comments.</p>						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points

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Table 5.2 Course specification

Course:		<h2 style="margin: 0;">Design of industrial products</h2>			
Course id:	F51011				
Number of ECTS:	4				
Teachers:	Kuzmanović B. Siniša, Pavlović S. Živko, Jureša P. Goran, 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:					
<p>The objective of this course is to introduce students to the fundamental concepts relevant to design of industrial products. Students will be introduced to basic elements of creative processes used in the development of new ideas, concept development, visualization of ideas through sketches, 2d and 3d renders, model making, prototype making. At the end of the course students will be able to participate in the new product design or redesign processes.</p>					
2. Educational outcomes (acquired knowledge):					
<p>Acquired knowledge is used in profession, research, individual work, as well as in further professional development.</p>					
3. Course content/structure:					
<p>Design process: concept, innovation, form development, idea generation methods, new product development process; Universal Principles of Design: Aesthetic-Usability, Affordance, Accessibility; Redesign process, idea visualization, sketches, detailed drawings, 3d models, prototype development, comparative analysis of design idea, idea presentation.</p>					
4. Teaching methods:					
<p>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 visualization and presentation of concepts in product design. Apart from lectures and practice, tutorials are regularly held.</p>					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	
				Mandatory	Points
Computer exercise attendance		Yes	5.00	Oral part of the exam	
Graphic paper		Yes	20.00	Practical part of the exam - tasks	
Lecture attendance		Yes	5.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Laura Slack	What is Product Design? (Essential Design Handbooks)		RotoVision	2006
2,	Charlotte J. Fiell, Peter M Fiell	Design now!		Taschen America Llc	2007

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Table 5.2 Course specification

Course:		<h2 style="margin: 0;">Character and movement design</h2>			
Course id:	F510I2				
Number of ECTS:	4				
Teachers:	Nedeljković S. Uroš, 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	2	0	0	
Precondition courses		None			
1. Educational goal:					
<p>The objective of this course is to introduce students to the fundamental concepts of character development for purposes of animation, video games or mascot creation. Students will be introduced to basic elements of creative processes used in the development of characters, concept development, visualization of characters through sketches, 2d and 3d renders and various animation techniques. At the end of the course students will be able to participate in the creative process of character creation for purposes of animation, video games or mascot creation.</p>					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge is used in character development for purposes of animation, video games or mascot creation.					
3. Course content/structure:					
Introduction to character design, development method; Aesthetic preferences of facial appearance, Physical Attractiveness, Baby-Face characters, Facial Expression; Expanding ideas when creating the character, Making the character real; Designing the physical look of character; Character usage; Character details; character animation methods; Character movement; Character environment.					
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 visualization and presentation of characters and their movement. Apart from lectures and practice, tutorials are regularly held.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	
				Mandatory	Points
Complex exercises		Yes	20.00	Written part of the exam - tasks and theory	
Computer exercise defence		Yes	20.00	Oral part of the exam	
Computer exercise attendance		Yes	5.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Rick Parent [et al.]	Computer Animation Complete		Morgan Kaufmann Publishers, Elsevier	2010
2,	Leonardo da Vinči	Traktat o slikarstvu		Bata-Beograd	1990

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Table 5.2 Course specification

Course:		Method of research			
Course id:	F510I3				
Number of ECTS:	4				
Teachers:	Kašiković D. Nemanja, Novaković M. Dragoljub, 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:					
<p>The goal of this course is to introduce the method of research. Students will be introduced to the topic through a phase of problem solving, defining hypotheses, the theoretical treatment of problems, research that involves the development of the implementation plan and the organization experiment, the selection of appropriate methods of data processing and preparation of written material. At the end of this course, students will be trained to independently set and can not solve the problems of a scientific study.</p>					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge is used in profession, research, individual work, as well as in further professional development.					
3. Course content/structure:					
<p>Deductive method, inductive method, Academic Writing, Experimental methods in research, defining hypotheses and research objectives, defining areas of application later results, identifying problems in the research, theoretical elaboration of the problem, study of current knowledge in selected areas, Preparation of the experiment, the choice of appropriate method of data processing, Writing a paper, presentation of scientific research, presentation of research results</p>					
4. Teaching methods:					
Teaching is held with contemporary didactic means and methods, interactively in the form of lectures practice. Theory is presented in lectures. At practice, lecture content is repeated and knowledge is expanded. Apart from lectures and practice, consultations are also held.					
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	
Lecture attendance		Yes	5.00	Oral part of the exam	
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Novaković, D.	Metod istraživačkog rada u grafičkom inženjerstvu i dizajnu		FTN Grafičko inženjerstvo i dizajn	2012

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	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

Table 5.2 Course specification

Course:		Digital Printing				
Course id:	F50417					
Number of ECTS:	4					
Teachers:	Karlović Đ. Igor, Kašiković D. Nemanja, Novaković M. Dragoljub					
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: To enable students independence in acquiring and applying professional knowledge in area of graphic engineering and design.						
2. Educational outcomes (acquired knowledge): Acquired knowledge is used in profession, research, individual work and further professional development.						
3. Course content/structure: Digitalization of printing data, development of digital printing, digital proofing, NIP technologies, electrophotography, ionography, magnethography, ink jet printing, thermography, photography. X-ray-graphics, elcography, toner jet technology, toners, inks for digital printing, substrates for digital printing, lightening systems, ROS, LED, DMD, development of digital printing devices.						
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		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	2003	
2,	Kipphan, H.	Handbook of Print Media		Springer	2000	
3,	Bolanča S.	Glavne tehnike tiska		Acta Graphica, Zagreb	2001	
4,	Teschner H.	Druck & Medien Technik		Fach Schriften Verlag	2002	
5,	Adams J. M., Dolin P. A.	Printing Technology		Delmar thomson learning	2003	

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Table 5.2 Course specification

Course:		Electronic multimedia systems				
Course id:	F510E1					
Number of ECTS:	4					
Teacher:	Slankamenac P. Miloš					
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:						
<p>Acquiring knowledge in the field of electronic and optoelectronic components and systems used in modern multimedia technologies. Acquiring knowledge in the field of practical skills for programming electronic and optoelectronic systems for the classic and touch-screen displays to show text, graphics and animation, with or without sound effects. The aim is to introduce students to the existing hardware and the development of multimedia systems learn to program additional it in order to obtain the corresponding multimedia content.</p>						
2. Educational outcomes (acquired knowledge):						
<ul style="list-style-type: none"> - The ability of practical use of digital electronic circuits and displays in multimedia systems. - The ability of programming relatively simple systems with a classic and touch-screen displays to show text, graphics and animation, with or without sound effects. 						
3. Course content/structure:						
<p>Electronic and optoelectronic components and systems in modern multimedia technologies. The classic and touch-screen displays for text processing. The classic and touch-screen displays for showing images and animations with and without sound effects. Development multimedia systems and their capabilities. Software tools and programming method development of multimedia systems.</p>						
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	30.00
Laboratory exercise defence		Yes	60.00			
Lecture attendance		Yes	5.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Shi Yun Q.	Image and video compression for multimedia engineering: fundamentals, algorithms, and standards		2nd edition, CRC Press	2008	



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

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 Master academic studies in Graphic Engineering and Design is designed to be complete and comprehensive and offers students the latest scientific and technical knowledge in this field.

The study programme 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



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

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Standard 07. Student Enrollment

Faculty of Technical Sciences, in accordance with social demands and its resources, enrolls certain number of students to the Master 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 whether 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.



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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 Graduate Academic Studies.



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MASTER ACADEMIC STUDIES

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Standard 09. Teaching Staff

For the realization of the study programme of the Master 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 at least five 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.

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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 carier	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	



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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 (G10) 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 - Renewable 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



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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 references (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 carier	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.	AEJZJ	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



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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
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 (G10) 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 (G10) 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



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MASTER ACADEMIC STUDIES

Graphic Engineering and Design

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ID	Course name	Study programme name, study type
13.	EJZZ English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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.	EJE11 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 (Indija), Undergraduate Professional Studies
30.	ASI381 English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies



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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.	EJIM 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 references (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



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MASTER ACADEMIC STUDIES

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Representative references (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



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Science, arts and professional qualifications

Name and last name:	Ćulibrk R. Dubravko		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.02.2001		
Scientific or art field:	Information-Communication Systems		
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Computer Engineering

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

	ID	Course name	Study programme name, study type
1.	GI100	Computer Practicum	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	IGB340	Fundamentals of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
3.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1024	Algorithms and Data Structures	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1038	Introduction to Business Intelligence Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1517	Computer application development	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1522	Algorithms and Data Structures	(I20) Engineering Management, Undergraduate Academic Studies
9.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	IMDS34	Raster and Image Processing Technologies in Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
11.	IMDS54	Computer Vision in Industrial Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IMDS55	Data Mining	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MM004	Theory and Practice of Media Communication	(I20) Engineering Management, Specialised Professional Studies
15.	MUO00 4	Information Systems in Education	(I20) Engineering Management, Specialised Professional Studies
16.	I835	Data mining methods	(I10) Industrial Engineering, Master Academic Studies
17.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
19.	IM2519	Advanced Information Technology	(I20) Engineering Management, Master Academic Studies
20.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies

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Study Programme Accreditation				
MASTER ACADEMIC STUDIES			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		
21.	IMDR34 Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
22.	IMDR54 Computer Vision in Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
23.	IMDR55 Data Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
24.	IMDR73 Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
25.	IMDR81 Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)				
1.	D. Culibrk, O. Marques, D. Socek, H. Kalva and B. Furht, "Neural Network Approach to Background Modeling for Video Object Segmentation", IEEE Trans. on Neural Networks, September 2007.			
2.	D. Socek, D. Culibrk, O.F. Marques, H. Kalva and B. Furht, "A Hybrid Color-Based Foreground Object Detection Method for Automated Marine Surveillance", in Proc. Advanced Concepts for Intelligent Vision Systems (ACIVS 2005), Antwerp, Belgium, September 20-23, 2005			
3.	Ćulibrk, D., Daniel Socek and Michal Sramka: Cryptanalysis of a Symmetric Probabilistic Encryption Scheme Based on Chaotic Attractors of Neural Networks, Tatra Mountains Mathematical Publications, 2007, Vol. 37, str. 75- 91			
4.	"New approaches to encryption and steganography for digital videos", Daniel Socek, Hari Kalva, Spyros S. Magliveras, Oge Marques, Dubravko Culibrk and Borko Furht, Multimedia systems, vol. 13, No 3, pp.			
5.	Daniel Socek, Spyros Magliveras, Dubravko Ćulibrk, Oge Marques, Hari Kalva, and Borko Furht: Digital Video Encryption Algorithms Based on Correlation-Preserving Permutations, EURASIP Journal on Information Security, 2007, ISSN 1687-4161. 5.			
6.	Dubravko Ćulibrk, Borislav Antić, Vladimir Crnojević: Real-time Stable Texture Regions Extraction for Motion-based Object Segmentation, 20th British Machine Vision Conference, BMVC 2009, London, UK: British Machine Vision Association, 7.-10. September, 2009			
7.	D. Culibrk, M. Mirkovic, V.Zlokolica, M. Pokric, V. crnojevic, D. Kukolj, "Salient Motion Features for Video Quality Assessment", IEEE Trans. on Image Processing, Volume: 20 Issue:4, pp(s): 948 – 958, ISSN: 1057-7149, 2011.			
8.	J. Radonić, D. Ćulibrk, M. Vojinović-Miloradov, B. Kukić, M. Turk-Sekulić, Prediction Of Gas-Particle Partitioning Of Pahn Based On M5' Model Trees, Thermal Science, No. 1, vol. 15, pp.105-114 , 2011.			
9.	Mladen Pečujlija, Dubravko Ćulibrk, Why We Believe The Computer When It Lies, Computers in Human Behavior, Volume 28, Issue 1, January 2012, Pages 143–152.			
10.	D. Ćulibrk, M. Mancas, V. Crnojevic, 2012, "Dynamic Texture Recognition Based on Compression Artifacts", in Towards Advanced Data Analysis by Combining Soft Computing and Statistics in Fuzziness and Soft Computing Volume 285, 2013, pp 253-266.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		0		
Total of SCI(SSCI) list papers :		11		
Current projects :		Domestic :	2	International : 4



Science, arts and professional qualifications

Name and last name:		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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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 (G10) 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 (G10) 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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
13.	EJZZ English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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.	EJE11 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 (Indija), Undergraduate Professional Studies
29.	ISIT07 English Language 2	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
30.	ASI381 English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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.	EJIM 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 references (minimum 5, not more than 10)

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



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

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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:		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 carier	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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
6.	NJ1L German Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 - Renewable 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 references (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 :

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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.	F41211	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.	F51011	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
9.	F51012	Character and movement design	(F00) Graphic Engineering and Design, Master Academic Studies
Representative references (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 :	International :
		0	0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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.	F30411	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.	F50417	Digital Printing	(F00) Graphic Engineering and Design, Master Academic Studies
8.	F50419	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 references (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.	Szydłowska-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 Vlastic 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., Jurić (Rilovski) I.: Evaluation of distinctness of image enhanced printed samples, 43. conference of the International Circle of Educational Institutes for Graphic Arts Technology and Management, Norrköping: International Circle, 19-23 Septembar, 2011, pp. 13-19



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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.	F21111	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.	F50417	Digital Printing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	F50419	Colour Management	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F51013	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 references (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., Vlačić 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.	Vlačić 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., Vlačić 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.	Vlačić 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



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**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (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 Treatment On Characteristics 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
12. EJ2L	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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 (G10) 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. EJE1	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
18. EJE11	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
19. EJE12	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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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 (Indija), 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.	EJIM 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 - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
37.	EJ1Z English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 references (minimum 5, not more than 10)



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**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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 references (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 biocorrosion 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-Al ₂ O ₃ 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)



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

- | | |
|-----|---|
| 10. | R.D.Mičić, R.P. Marinković-Nedučín, Z.Schay, I.Nagy, J.S. Kiurski, E.E.Kiss, «Influence of the activation temperature on structural and textural properties of NiMo/Al ₂ O ₃ 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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.	F51011	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 references (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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

6.	Kuzmanović, S.: Industrijski dizajn, Fakultet tehničkih 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, Novi 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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.	E2110	Izborni strani jezik 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
13. EJ2L	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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 (G10) 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. EJE1	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
19. EJE11	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20. EJE12	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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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 (Indija), 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.	EJIM 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



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**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

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		
45.	NIT03 Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
Representative references (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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

Science, arts and professional qualifications

Name and last name:	Lužanin B. Ognjan		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 09.11.1992		
Scientific or art field:	Plastic Deformation Technology, Rapid Prototyping, Virtual		
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design

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

	ID	Course name	Study programme name, study type
1.	IA016	Introduction to Virtual Reality Technology	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P2411	Virtual Production in Technologies of Plastic Deforming	(P00) Production Engineering, Undergraduate Academic Studies
3.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
5.	F50410	3D Printing	(F00) Graphic Engineering and Design, Master Academic Studies
6.	NIT01	Innovative Product Development	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
7.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
8.	SM1061	Integrated VR development environments for engineering applications	(PM0) Production Engineering, Master Academic Studies
9.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
10.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)

1.	Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768
2.	Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 978-3-514-00754-3
3.	Ostojić G., Tadić B., Lužanin O., Stankovski S., Vukelić Đ., Budak I., Miladinović Lj.: An integral system for automated cutting tool selection, Scientific Research and Essays, 2011, Vol. 6, No 15, pp. 3240-3251, ISSN 1992-2248
4.	Vukelić Đ., Tadić B., Lužanin O., Budak I., Križan P., Hodolić J.: A rule-based system for fixture design, Scientific Research and Essays, 2011, Vol. 6, No 27, pp. 5787-5802, ISSN 1992-2248
5.	Lužanin O., Plančak M.: Enhancing Gesture Dictionary of a Commercial Data Glove Using Complex Static Gestures and an MLP Ensemble, Strojniski vestnik - Journal of Mechanical Engineering, 2009, Vol. 55, No 4, pp. 230-236, ISSN 0039-2480
6.	Vukelić Đ., Tadić B., Jovanović M., Lužanin O., Simeunović N.: A System for Computer-Aided Selection of Cutting Tools, Acta Technica Corviniensis, 2011, Vol. 4, No 4, pp. 89-92, ISSN 2067-3809
7.	Lužanin O., Plančak M.: Virtual reality technologies in virtual manufacturing-notes on current trends and applications, Journal for technology of Plasticity, 2008, Vol. 33, No 1-2, pp. 103-111.
8.	Vilotić D., Plančak M., Kuzman K., Milutinović M., Movrin D., Skakun P., Lužanin O.: Application of net shape and near-net shape forming technologies in manufacture of roller bearing components and cardan shafts, Journal for technology of Plasticity, 2007, Vol. 32, No 1-2, pp. 87-104.
9.	Milutinović M., Vilotić D., Plančak M., Trbojević I., Čupković Đ., Lužanin O.: Hot ring rolling in bearing production, Journal for Technology of Plasticity, 2005, Vol. 30, No 1-2, pp. 61-73, ISSN 0354-3870.
10.	Novaković D., Lužanin O., Zeljković Ž., Hodolić J.: Enhancement of Tribological Characteristics of Gears by Application of Software Package for Gear Trains Design, Journals Tribology in industry, 1998, Vol. 20, No 2, pp. 47-51, ISSN 0351-1642.



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

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

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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

Science, arts and professional qualifications

Name and last name:		Marković D. Vidan	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1999	Faculty of Sciences - Novi Sad	Informatics
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1990	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.	IM1314 Computer aided project management	(I20) Engineering Management, Undergraduate Academic Studies	
2.	IM1719 Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies	
3.	SE0017 Software Development Methodologies	(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.	SES101 Software Engineering Economy	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies	
5.	F402 Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies	
6.	E2537 IT Resources Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies	
7.	IM2317 IT Project management	(I20) Engineering Management, Master Academic Studies	
8.	IM2321 Management of project oriented enterprises	(I20) Engineering Management, Master Academic Studies	
9.	IM2714 Disaster risk management cycle	(I20) Engineering Management, Master Academic Studies	
Representative references (minimum 5, not more than 10)			
1.	Marković V., Maksimović R.: A contribution to continual software service improvement based on the six-step service improvement method, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, 2012, Vol. 22, No 4, pp. 549-569, ISSN 0218-1940		
2.	Popović, D., Damjanović, S, Marković, V.: Systolic Right Ventricular Adaptional Changes in Athletes and Predictors of the Maximal Functional Capacity: A Pulsed Tissue Doppler Study, Journal of Sports Medicine and Physical Fitness, ISSN 0022-4707		
3.	Marković, V., Maksimović, R.: A contribution to software service improvement based on LSP method, African journal of business management, Vol. 4(15), pp. 3277-3288, 2010, ISSN 1993-8233		
4.	Marković, V., Prilog sistematskom podizanju CMM nivoa poduzeća, Svijet Osiguranja, listopad 2005., pp. 43-46		
5.	Tomašević M., Marković V.: CONTRIBUTION TO THE USER REQUESTS MANAGEMENT BASED ON ITIL IMPLEMENTATION, 4. International Scientific and Expert Conference - TEAM, Slavonski Brod, 17-19 Oktobar, 2012, pp. 185-188		
6.	Marković, V., Informatičko sazrevanje kompanije, Želnid, Beograd, str. 363, 2006.		
7.	Marković V., Advantage software for health insurance, Green Shield Canada, Windsor, Ontario, Canada, pp. 15, 2001.		
8.	Marković V., Intelligent Call Center Agent, Green Shield Canada, Windsor, Ontario, Canada, pp. 72, 2000.		
9.	Marković V., Council Agenda System, The Corporation of The City of Windsor, Windsor, Ontario, Canada, pp. 17, 1996.		
10.	Marković V., A Contribution to Applying Layer Pattern in Modeling JIT System's Architecture, XV Conference on Applied Mathematics, PRIM2002, Zlatibor, str 63-75, 2002.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	0
		International :	0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 carier	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.	G1I00	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 (Indija), Undergraduate Professional Studies
9.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
10.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
11.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
12.	ISIT29	XML Technologies	(SII) Software and Information Technologies (Indija), 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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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 references (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-SECURITY'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.



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

6.	Danijela Tešendić, Branko Milosavljević, and Dušan Surla. A library circulation system for city and special libraries. <i>The Electronic Library</i> , 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: <i>electronic library and information systems</i> , 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. <i>Computer Science and Information Systems (ComSIS)</i> , 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. <i>Multimedia Tools and Applications</i> , 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. <i>The Electronic Library</i> , 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
13.	EJZZ English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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.	EJE11 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 (Indija), Undergraduate Professional Studies
30.	ASI381 English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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.	EJIM 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 references (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 Bogdanović: 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



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

- | | |
|----|---|
| 8. | Mirović I, Gak D., Bogdavić V.: Trust me - I'm an engineer or: Why we should challenge 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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.	F21411	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.	F30211	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.	F50412	Video game design	(F00) Graphic Engineering and Design, Master Academic Studies
10.	F50415	Advertising Efficiency	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F506	Spatial Design	(F00) Graphic Engineering and Design, Master Academic Studies
12.	F51011	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
13.	F51012	Character and movement design	(F00) Graphic Engineering and Design, Master Academic Studies

Representative references (minimum 5, not more than 10)

1.	Nedeljković, U., Pinčjer, I., Vladić, G.: THE EFFICIENCY OF MESSAGE CODIFICATION LEVEL IN PRINT ADVERTISEMENTS: THE CASE OF FOOD AND DRINK PRODUCTS OR SERVICE, Journal of Graphic Engineering and Design, University of Novi Sad, Faculty of Technical Sciences, Department of Graphic Engineering and Design, Novi Sad, 2011, pp. 16-23, ISSN 2217-379X, COBISS.SR-ID 257662727
2.	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
3.	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
4.	Nedeljković, S; Nedeljković, U; Pismo i tipografija, Fakultet tehničkih nauka, Novi Sad, 2012
5.	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
6.	Nedeljković, U., Banjanin, B., Pinčjer, I.: Designing Grid Sans Regular with Titling Alternates, International Symposium on Graphic Engineering and Design, GRID (5; Novi Sad; 2010), Fakultet tehničkih Nauka, Novi Sad, 155-162.



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

7.	Puškarović 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
8.	NEDELJKOVIĆ S., NEDELJKOVIĆ U., PINČJER, 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
9.	Nedeljković, U; Tipografsko pismo Grid Sans, FORMA 21, Udruženje likovnih umetnika primenjenih umetnosti i dizajnera Vojvodine–UPIDIV, Muzej Vojvodine, 28.04–15.05.2011. Novi Sad., 2011
10.	Nedeljković, U: „AŠIKU“, INTERNATIONAL FINE ART CARAVAN 2005-2010 "ALL THAT MUSIC-SOUNDS OF COLOR, COLOR OF THE SOUNDS" THE SOUNDS OF THE DREAMS 2009-2010 1.1. Nacionalna institucija, Centar za kultura Braka 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. Narodni muzej Veles, 12 oktombri 2009; 1.5. Galerija na DLUM Skopje, 28 oktombri 2009; 1.6. Umetnička galerija Kumanovo, mart 2010; 1.7. Blok Galerija Beograd, 20. mart 2010; 1.8. Galerija Most Novi Sad, 19. April 2010; 1.9. Boston, St. Sava Church in Cambridge, MA, November 2010; 1.10. Detroit, October 2010; New York, December 2010. , Skoplje, INTERNACIONALEN LIKOVEN KARAVAN

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

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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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.	F21411	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.	F41211	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 references (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; Pinčjer, I;Nedeljković, U; ANOTHER INSIGHT ON NEO-CLASSICAL TYPE FORMS, Sveuciliste u Zagrebu, Grafički fakultet; (Polje rezultata: Tehničko-tehnološke nauke) Skup "Blaž Baromić" International Conference on printing, design and graphic communications (14 ; Senj ;2011)		
4.	Nedeljković, S; Nedeljković, U; Pinčjer, I; Zaharius Gotoantikva Fakultet tehničkih Nauka, Novi Sad; International Symposium on Graphic Engineering and Design, GRID (5 ; Novi Sad ; 2010)		
5.	Nedeljković, S; Tipografije ćirilčnih baroknih pisama transponovane u savremenu tipografku formu; Odbranjena doktorska disertacija, Fakultet tehničkih nauka, Grafičko inženjerstvo i dizajn, 2009		
6.	Nedeljković, S; Nedeljković, U; Pismo i tipografija, Fakultet tehničkih nauka, 2012.		
7.	Nedeljković, S; Pinčjer, 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 ćirilčnih 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 :	International :
		0	0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER 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 career	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.	F21111	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.	F50417	Digital Printing	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F51013	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 references (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



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

6.	Filipović N., Lazić V., Filipović J., Gvozdenović J., Novaković D.: Packaging material characteristics contributing to shelf-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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 career	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.	F30411	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.	F50419	Colour Management	(F00) Graphic Engineering and Design, Master Academic Studies
8.	F51011	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
9.	F51013	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 references (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 kvaliteta 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



UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

**Study Programme Accreditation**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 carier	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 references (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. Tričković:Characterisation, 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
24. EM439A	Electronics in vehicles	(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 references (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 $Cu_x(AsSe_{1.410.2})_{100-x}$ 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 $(As_2Se_3)(AsI_3)$ 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 $Cu_{10}(AsSe_{1.410.2})_{90}$, 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

Science, arts and professional qualifications

Name and last name:	Suvajdzin Rakić B. Zorica		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.12.1998		
Scientific or art field:	Applied Computer Science and Informatics		
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	2000	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1998	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.	E225	Operating Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies
2.	E234	Compilers	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	EE301	Operating Systems and Competitive Programming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	H207	Programming and Programming Languages	(F10) Engineering Animation, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	ISIT12	Osnove informacionih sistema	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
7.	SE0034	Compilers	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
8.	E2505	Multimedia Systems	(E20) Computing and Control Engineering, Master Academic Studies (ES0) Power Software Engineering, Master Academic Studies (F20) Engineering Animation, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)

1.	Rakić P., Milašinović D., Živanov Ž., Suvajdzin Rakić Z., Nikolić M., Hajduković M.: MPI-CUDA parallelization of a finite-strip program for geometric nonlinear analysis: A hybrid approach, <i>Advances in Engineering Software</i> , 2011, Vol. 42, No 5, pp. 273-285, ISSN 0965-9978
2.	Zorica Suvajdzin, Miroslav Hajduković, A Structure Editor for the Program Composing Assistant, <i>Computer Science and Information Systems</i> , Volume 3, Number 1, Beograd, jun 2006., pp 65-76
3.	Miroslav Hajduković, Zorica Suvajdzin, Žarko Živanov, Character oriented program editing - habit or necessity, <i>Novi Sad Journal of mathematics</i> , vol. 33, no. 1, Novi Sad, 2003., pp 53-65



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

Representative references (minimum 5, not more than 10)

4.	Hajduković M., Suvajdžin Z., Živanov Ž. Naziv: A problem of program execution time measurement Naziv časopisa: Novi Sad Journal of mathematics , Novi Sad Journal of Mathematics, 2003, Vol. 33, No 1, pp. 67-73, ISSN 1450-5444, UDK: 51
5.	Rakić P., Stričević L., Suvajdžin Rakić Z.: Statically Typed Matrix: in C library, 5. Balkan Conference in Informatics, Novi Sad: ACM, 16-20 Septembar, 2012, pp. 217-222
6.	Milašinović D., Živanov Ž., Rakić P., Suvajdžin Rakić Z., Nikolić M., Hajduković M., Borković A., Milaković I.: A Finite-Strip Analysis of Nonlinear Shear-Lag Effect Supported by Automatic Visualization
7.	Suvajdžin Rakić Z., Rakić P.: Computers and Education, 1. VIPSI, Nepoznato, 3-4 April, 2009, ISBN 86-7466-117-3
8.	Zorica Suvajdžin, Miroslav Hajduković, Program Composing Assistant For Novice Programmers, The ASEE Mid-Atlantic Spring Conference 2006, Brooklyn NY, April 2006, abstract+5 pages (CD-ROM)
9.	Zorica Suvajdžin, Miroslav Hajduković, Towards Program Composing Assistants, Proceedings of the 2005 International Conference on Programming Languages and Compilers, PLC'05, Las Vegas, Nevada, USA, jun 2005, pp 142-147
10.	Rakić P., Živanov Ž., Suvajdžin Rakić Z., Stričević L., Hajduković M.: Characteristics of Operating System for Wireless Sensor Network Applications, 9. International Symposium Interdisciplinary Regional Research - ISIRR, Novi Sad, , pp. 50-50

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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation MASTER ACADEMIC STUDIES Graphic Engineering and Design	

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 carier	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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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
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



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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
12. EJ2L	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) 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 (G10) 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 (G10) 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. EJE1	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
18. EJE11	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
19. EJE12	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



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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
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 (Indija), 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.	EJIM 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 (G10) 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 (G10) 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 references (minimum 5, not more than 10)



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Graphic Engineering and Design

Representative references (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**

MASTER ACADEMIC STUDIES

Graphic Engineering and Design

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 Master academic studies 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.



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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.



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Standard 12. Distance Education

Distance learning is not provided for.