STUDY PROGRAMME ACCREDITATION MATERIAL:

TRAFFIC AND TRANSPORT ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

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Prevod sa srpskog jezika:

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Programme name	Traffic and Transport Engineering
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, proffesional or art field	Traffic Engineering
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	240-241
Academic degree, abbreviation	Bachelor with Honours in Traffic Engineering, B.Traff.Eng.
Study length	4
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	436
Planned number of students to be enrolled in this programme	560
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00. Introduction

The study programme of undergraduate academic studies in Traffic and Transport is an interdisciplinary study programme at the Faculty of Technical Sciences. Apart from professional and professional-applicative knowledge taught at the Department of Traffic Engineering, it also includes knowledge from the Departments for Mathematics, Mechanics and Physics, Constructive Mechanical Engineering and Design, Civil Engineering, Computer Sciences, etc.

Constant increase in the mobility of population and trade worldwide, as well as the need for sustainable development, demand the profile of an expert who can answer the wide range of items in the field of traffic and transport. Solving complex traffic and transport problems, i.e. planning, organization, management and exploitation in traffic and transport demand for specialized and multidisciplinary knowledge in order to provide solutions that satisfy the set criteria (safety, reliability, rationality, ecological acceptance, economics, rentability, profitability, etc.).

The study programme should also be regarded as an answer to the demands from practice, where it is a proven fact that traffic engineers can have a wide range of knowledge from diverse fields of science. The programme enable students to obtain important knowledge in the field of transport, logistics, traffic safety, traffic planning and design, as well as technical disciplines which are directly or indirectly related to traffic and transport.

Standard 01. Programme Structure

The name of the undergraduate academic study programme is Traffic and Transport. The academic title acquired is the Bachelor in Traffic Engineering. The outcome of the learning process is the knowledge which enables students to use the professional literature, apply the knowledge to the problems encountered in their professional work, as well as to continue their education, in case the students decide to do so.

The requirements for admission to this study programme are completed four years of high school education and successfully passed entrance examination. The entrance examination tests the knowledge of mathematics (it is worth max 60 points) and is considered to be passed if the candidate has obtained at least 14 points.

The undergraduate academic study programme Traffic and Transport which lasts for four years has one study group.

The teaching process takes the form of lectures and practice classes. During the lectures the topics are presented using suitable didactic materials, and necessary implantations which contribute to the better understanding of the subject matter. The practice classes, which accompany the lectures, are devoted to solving practical problems and presenting additional examples to illustrate the matter further. This is also the opportunity to provide additional explanations for the material covered during the lectures. The practice classes can be auditory, laboratory, computer or calculation classes. They can partially be held in companies of other institutions, or they can be terrain practice.

The size of the group depends on the type of practice class. The student assignments at these classes may include: writing a seminar paper or doing homework, projects, semester or graphic assignments, where each student`s activity is monitored and evaluated during the teaching process according to the regulations adopted by the Faculty. The student`s score is represented by the uniform methodology and reflects the weight load on students in all aspects of teaching activities.

Each course is worth a certain number of ECTS (European Credit Transfer System) credits and the studies are considered to be completed after the student has fulfilled all the obligations prescribed by the study programme and has attained the minimum of 240 ECTS credits.

Standard 02. Programme Objectives

The purpose of the study programme is the education of students for the profession of a traffic engineer in accordance to the needs of the industry and the society.
Traffic and Transport study programme is designed to ensure the acquired competences which are justified and useful for the society. The Faculty of Technical Sciences has defined the fundamental tasks and aims in educating highly competent professionals in the field of engineering. The purpose of the Traffic and Transport study programme is in accordance with the basic tasks and aims of the Faculty of Technical Sciences.
Realization of the thus structured study programme educates engineers in the field of traffic engineering who are competent at the European and international level.

Standard 03. Programme Goals

The aim of the study programme is to achieve competence and academic skills in the field of traffic and transport. This, among others, includes mastering specific practical skills necessary to perform profession, developing creative skills regarding research problems and critical thinking ability, as well as developing skills in team work and the awareness on the necessity for constant learning and improvement even after the study completion.
The aim of the studies is to educate professionals who possess the necessary knowledge in the field of fundamental engineering disciplines (mathematics, mechanics, etc), scientific-professional and professional-applicative courses, as well as the application of contemporary information technologies. One of the specific objectives, consistent with the goals of education of experts at the Faculty of Technical Sciences, is to develop the awareness with students of the need for lifelong learning, development of the society as a whole and environmental protection. The aim of the study programme is also the education of professionals in the area of teamwork, as well as the development of skills for communicating and transferring their own knowledge to the professional and general public.

Standard 04. Graduates` Competencies

Traffic engineers have the competence to solve real life problems in practice as well as to continue education if they decide to do so. Their competences include, primarily, critical thinking, the ability to analyze a problem, synthesize a solution, predict the behaviour of the chosen solution with the clear idea of the advantages and disadvantages of the chosen solution. Also, completed students at this level of studies give a great attention to monitoring and applying innovations in profession, as well as cooperating with local social and international surroundings.

With regard to their specific competences, students who have completed this study programme have acquired a thorough understanding of disciplines in all professions as well as the ability to solve practical problems using scientific methods and procedures. In view of the interdisciplinary character of the study programme the students` ability to relate the basic knowledge from various areas and apply them appropriately is of particular importance. Students who have completed Traffic and Transport study programme are capable of adequate writing and presenting the results of their work.

The competence of the completed student of traffic and transport, i.e. traffic engineer, can be observed in the readiness for individual work in the following areas of traffic and transport:

- Traffic planning, design and control – planning mobility and its consequences, analysing and monitoring the travelling start and end points, analysing traffic flows and determining road capacity, designing traffic signalization and systems for traffic control, operational work in traffic regulation and control, and solving traffic problems in urban areas.
- Traffic safety – gathering, processing and analyzing data on traffic accidents, traffic accident expertise, damage assessment, traffic accident prevention, analyzing the driver training system, proposing measures and actions for increasing traffic safety.
- Technology and organization of transport– gathering and processing data on passenger and freight flows, defining work organization in passenger and freight traffic, selecting vehicles and determining itinerary in freight traffic, defining routes and number of lines in passenger traffic, work organization and control in public passenger transport companies, monitoring exploitation indicators for drivers and vehicle work, cost monitoring and the increase in productivity, economics and profitability in transport companies, as well as operation business in transport companies.
- Freight forwarding, logistics and intermodal transport systems – monitoring and forming freight flows in international freight transport, services in organizing freight transport for third parties, transport organization by applying modern intermodal transport technologies, organizing and forming logistic chains, defining and organizing supply chains, work organization in freight transport centres, organizing and managing warehouses and warehouse loading mechanization.

Apart from fundamental competencies characteristic for traffic engineering, the significance of multidisciplinarity of this study programme in the aspect of working in state services (ministries, local government, public companies) should also be emphasized. Traffic engineers with acquired qualitative knowledge in several diverse fields of engineering, trained to observe problems from general towards individual and vice versa, and with the developed ability for teamwork present an important cohesion factor in state services in charge of spatial and urban planning, building, infrastructure, etc.

The students are able to design, organize and manage transport systems. Throughout their education the students acquire the ability to independently perform experiments, statistical analysis of data as well as to formulate results and draw adequate conclusions.

Students who have graduated from the Traffic and Transport study programme acquire the knowledge how to economically use the natural resources of the Republic of Serbia in accordance with the principles of sustainable development.

Special attention is given to developing skills for teamwork and the development of professional ethics.

Standard 05. Curriculum

The curriculum of undergraduate academic studies in Traffic is designed to fulfil all the defined objectives. The structure of the study programme secures that about 15% of the courses belong to the academic and general education subjects, about 20% are theoretical and methodological courses, about 35% are scientific and professional courses and 30% are professional and applied courses. It has also been ensured that the elective courses represent at least 20% of ECTS credits. In addition to this, the courses on this study programme can be divided into:

- Group of courses in fundamental engineering disciplines (mathematics, mechanics, etc.)
- Group of courses in programming and application of contemporary software packages
- Group of courses in transport system technologies
- Group of courses in traffic system planning, design and control
- Group of courses in traffic safety
- Group of courses in logistics, shipment and intermodal transport systems.

First two groups present the fundamental, general education of students, while the remaining four groups are considered to be professional, where the students learn about the complex problems in traffic and transport through fields and characteristic elements in transportation systems.

Each course lasts one term and is worth a certain number of ECTS credits where one credit is equivalent to approximately 30 hours of work. The order of courses is defined so as to ensure that the prerequisite knowledge for one course is attained in the previously attended courses.

The curriculum defines each course in terms of its name, type of course, year and semester of studies, number of ECTS credits, name of the teacher, objectives of the course and expected outcomes, knowledge and competences, pre exam assignments for attending the course, content of the course, recommended literature, methods of teaching, types of evaluation and other.

The study programme is in line with European standards regarding admission requirements, duration of studies, enrolling the following year of studies, obtaining a diploma and mode of study.

Professional practice and practical work of 45 hours forms a constituent part of the curriculum in traffic and is carried out in suitable scientific and research institutions, companies and institutions dealing with traffic and transport.

A student`s studies are completed with the production of a Bachelor Thesis which consists of theoretical and methodological framework necessary for the in depth understanding of the area in which the Bachelor thesis is done and the production of the thesis itself.

Prior to the defence of the thesis the candidate takes an exam on the theoretical and methodological bases in front of the thesis supervisor. The final grade of the Bachelor Thesis is based on the grade of theoretical and methodological preparation and the grade of the production and defence of the Thesis itself. Bachelor thesis is defended before a committee of at least three professors.

Table 5.2 Course specification

Course:	Mathematics 1
Course id: S011	
Number of ECTS: 6	
Teacher:	Gilezan K. Silvia
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Students gain fundamental knowledge in the field of algebra and mathematical analysis. Development of abstract thinking and analytical approach to problem solving. Students are able to use the acquired knowledge in other general and professional engineering subjects.

2. Educational outcomes (acquired knowledge):

Students are able to apply mathematical models covered within this course. Students are able to use the acquired knowledge in further education and in professional engineering subjects as well as in their professional work.

3. Course content/structure:

Relations, functions and algebraic structures. The field of complex numbers. Determinants and systems of linear equations. (Crame`s rule and Gauss` algorithm) Vector algebra and analytic geometry in space P3 (straight line and plane) Matrices (operations, inverse matrix). Polynomials (polynomial zeros, factoring over the set of real and complex numbers, rational functions). Sequences (accumulation points, boundary values, convergence and divergence). Real function of one variable (boundary values and continuity). Differential calculus (derivatives, higher order derivatives and applications).

4. Teaching methods:

Lectures; computation practice. Individual consultations. Homework. Theoretical part of the lectures is accompanied by typical examples in order to better understand the subject matter. In practice classes, which accompany the lectures, typical problems are further explained and the knowledge from the lectures is deepened. Besides lectures and practice classes, consultations are held on a regular basis for individual students or small groups. Homework assignments are given after each finished chapter. Part of the course material, which presents one logical unit, can be passed during the teaching process in the form of the following 2 modules (the first module: algebra; the second module: mathematical analysis).

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Coloquium exam	Yes	15.00	Theoretical part of the exam	Yes	30.00
Exercise attendance	Yes	5.00	Practical part of the exam - tasks	Yes	40.00
Homework	Yes	5.00			
Lecture attendance	Yes	5.00			

Literature

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

Table 5.2 Course specification

Course:		Descriptive Geometry and Engineering Drawing
Course id:	S012	
Number of ECTS:	6	
Teachers:		Milojević D. Zoran, Navalušić V. Slobodan, Obradović M. Ratko, Štulić B. Radovan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Development of spatial imagination and visualization, acquiring engineering knowledge on the most rational graphic representation of combined forms. Mastering basic procedures, concepts and methods of forming technical drawing as an activity which is a necessary component of the design process. Teaching students to be able to independently develop technical drawing manually or using a computer.

2. Educational outcomes (acquired knowledge):

Understanding geometrical structure of 3D shapes and their optimal 2D representation. Use of computer in design and development of technical documentation on the basis of the designed model.

3. Course content/structure:

Representation of basic geometric elements of space in cavalier projection and a pair of orthogonal projections; spatial relations of points, lines and planes; metric problems, transformation and rotation; geometric shapes and surfaces, polyhedrons, rotation bodies, torso tangents and spatial curve; co linearity and affinity, cross sections of surfaces; dimension line projection, designing roads, crossroads and platoes on a topographical surface.
Technical drawing standards. Basic elements of engineering geometry. Coordinate systems. Descartes, polar, cylindrical, spherical, absolute and relative coordinates. Fundamentals in engineering graphics. 2D space and 2D transformations: translation, rotation, scaling, complex transformations. Drawing objects from multiple views. Cross sections. Drawing objects from one view. Axonometry. Cavalier projection. Perspective. Other ways of graphic representation. Visualization. Visualization techniques with engineering drawings. Hidden lines and surfaces. Structure of data for engineering graphics. Engineering graphics standards. Dimensioning. Tolerancing. Shape and position tolerances. Maximum material condition. Marking the quality of surface. Assembly drawing. Workshop drawing. Schematic drawing. Transmission: gear drive, friction drive, belt drive, chain drive, shafts and axles, bearings, brakes. Fundamentals in computer aided product design.

4. Teaching methods:

Lectures; Computer practice. Graphic and numerical/calculation practice. Consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Obradović Ratko	Nacrtna geometrija, autorizovana predavanja-skripta	FTN	2005
2,	Obradović Ratko, Vesna Stojaković	Zbirka rešenih zadataka iz Nacrtne geometrije	FTN	2005
3,	Lazar Dovniković	Nacrtna geometrija	Univerzitet u Novom Sadu	2002
4,	G. Bertoline, E, Wiebe, and others	Fundamentals of graphics communication	McGraw-Hill	2002
5,	F. Giesecke, A. Mitchell, and others	Modern Graphics Communication, second edition	Prentice Hall	2001
6,	Steve Slaby	Fundamentals of Three-Dimensional Descriptive Geometry	Harcourt, Brace & World, Inc.	1966
7,	Navalušić S., Milojević Z	Tehničko crtanje, autorizovana predavanja - skripta	FTN, Novi Sad	2007

Table 5.2 Course specification

Course:		Physics
Course id:	S014	
Number of ECTS:	6	
Teacher:		Kozmidis-Luburić F. Uranija
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Gaining fundamental knowledge in physics.

2. Educational outcomes (acquired knowledge):

Students understand phenomena and processes in engineering based on laws of physics.

3. Course content/structure:

Physics and its methods in space and time. Mechanics of material point (kinematics and dynamics). Newton`s laws. Fundamentals of field. Work, power and energy. Gravitation. Elements of special theory of relativity. Mechanics of fluids. Thermal physics. Physics of surfaces. Elastic properties of micro bodies. Oscillations. Wave movement. Acoustics. Optics (wave, physical, quant). Physics of the micro world.

4. Teaching methods:

Lectures, computation practice, laboratory practice and consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Coloquium exam	Yes	70.00
Laboratory exercise defence	Yes	20.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Janjić, Bikit, Cindro	Fizika I i II		2005
2,	M. Satarić U. Kozmidis-Luburić i dr.	Zbirka rešenih zadataka iz fizike drugi deo	FTN-Novi Sad	2005
3,	M. Vučinić, D. Ćirić, T. Škrbić, M. Đurić	Zbirka zadataka iz fizike	FTN Novi Sad	2005
4,	U. Kozmidis-Luburić, S Grujić, T. Škrbić, M. Đurić	Zbirka zadataka iz fizike	Fakultet tehničkih nauka Novi Sad	2005
5,	U. Kozmidis-Luburić, S. Grujić, T. Škrbić	Praktikum labaratorijskih vežbi iz fizike I deo	FTN-Novi Sad	2004
6,	U. Kozmidis-Luburić, Lj. Budinski-Petković, M. Vučinić-Vasić	Praktikum labaratorijskih vežbi iz fizike, II deo	FTN Novi Sad	2004

Table 5.2 Course specification

Course:		Knowledge of Goods in Transport 1
Course id:	S015A	
Number of ECTS:	4	
Teachers:		Stojić S. Gordan, Tanackov J. Ilija
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Education of students at this course provides the knowledge on the basic classification of goods and conditions of their transport, starting from the basic administrative conditions (standards and standardization) to technical and technological conditions of transport of goods.

2. Educational outcomes (acquired knowledge):

Application of the acquired knowledge on the technical, technological, administrative and ecological conditions of transport of all important types of goods, with emphasis on the transport of hazardous materials. Knowledge on the specific characteristics of goods presents the basic precondition for the proper selection of the transport and reload means, technologies and organization of transport as well as ways of storing and storage handling, without any or with the acceptable change in the quality and quantity of goods.

3. Course content/structure:

Division and classification of goods. Quality of goods and its determination. Standards and standardization. Storing. Hazardous materials in transport. Technology of water. Power engineering and energy sources. Products of chemical industry. Plastic materials. Agro-chemical products. Metals and products of metallurgy. Important products of metal industry. Wood and wood products. Textile products. Leather and fur products. Agricultural and food products.

4. Teaching methods:

Auditory lectures and practice classes.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Mirko Vlahović, Ilija Tanackov	Poznavanje robe	"IP VIŠA KNJIGA" Beograd d.o.o.	2005
2,	Špagnut, D	Tehnološke osobine robe u transportu	Saobraćajni fakultet, Beograd	1984
3,	Ljubomir Petrović	Transport opasne robe u drumskom saobraćaju "Upoznavanje restruktuiranog ADP-a"	Trigon inženjering Beograd	2004
4,	Laslo Poljak	Priručnik za prevoz opasnih materija	Institut za preventivu, Novi Sad	2006
5,	Mirko Vlahović	Poznavanje robe		2001
6,	Tereza Lekić, Mirko Vlahović i drugi	Roba i tehnološki razvoj	Savremena administracija	1992

Table 5.2 Course specification

Course:		Introduction to traffic
Course id:	SO16N	
Number of ECTS:	4	
Teacher:		Miličić S. Milica
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The acquisition of basic science knowledge that makes a subset of traffic (subsystem) general assemblies (systems) that science develops and systematize all knowledge of traffic and thus provides a basis for the development and operation of transportation professionals.

2. Educational outcomes (acquired knowledge):

Enabling students to understand that science generates traffic and developed through the process of growth of knowledge about the traffic and the reciprocal effects of transport and the environment in which it takes place as a matter of studying the process of redistribution of previously trained scientific fields. Applying science parts of the laws of motion of the body through different environments, then parts of the technical areas of technological and technical conditions and the organization of transport and technology and organization of the movement of vehicles and using parts of the social sciences on the social and economic causes, terms and consequences of the establishment, operation and development of transport, a new area: traffic science as a single integral unit.

3. Course content/structure:

1. Traffic Traffic waist Sciences; 2. Economic substance of traffic; 3. Traffic production; 4. Transport systems; 5. The importance of transport in the economy and society; 6. Sustainable Development and Transport.

4. Teaching methods:

Auditory lectures and exercises, exam: written and oral, the condition for completing the exam subject. Attendance at lectures to 5.0 points Presence in the exercise to 5.0 points, Final exam: written and oral part of 90.0 points.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	40.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Profesor dr Milan Adamovic	Uvod u saobracaj	Saobracajni fakultet, Beograd	1996
2,	Profesor dr Milan Adamovic	Uvod u saobracaj 2	Saobracajni fakultet, Beograd	2000
3,	Dr Snezana Pejcic-Tarle	Saobracajna ekonomika i politika	Saobracajni fakultet, Beograd	2005

Table 5.2 Course specification

Course:	Sociological Aspects of Technical Development
Course id: E251	
Number of ECTS: 3	
Teacher:	Radivojević D. Radoš
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:

Enabling engineers to understand social importance and role of technical sciences in the society development, positive and negative implications of technical sciences to the development of society and a person, as well as their own social importance and responsibility in the creation of humane society.

2. Educational outcomes (acquired knowledge):

Acquisition of social knowledge on features, sources, social functions of technology and creators of technical knowledge; knowledge on the impact of the nature of social systems on technical development and the impact of technology on the development of a society; knowledge on the impact of technology on processes and changes in modern society: globalization, changes in the work content and forms of work organization, changes in communication, culture, education, democracy, way of life and thinking, knowledge on the negative aspects of technological development, nature destruction, work alienation, creation of risky society.

3. Course content/structure:

Technical knowledge: features and social functions of technology, sources of technical knowledge, creators of technical knowledge, dissemination of technical knowledge, scientific-technical potential, science and technology relationship. Relationship between technology and society: the impact of society on technical development and the impact of technical sciences on the development of society. Industrial and information society. The impact of technology on life, awareness and culture. Technology and globalization: causes and dimensions of globalization, technological gap, brain drain. Technology and work organization: flexible production, network organizations, knowledge economy, electronic economy. Technical sciences and work: reduction of working hours, change of work content, decline of the work importance. Technology and alienation at work: the impact of technology, forms of alienation, humanization of labour. Mass media and communications: global television, the impact of television on society, media theories, mobile telephony and the Internet, the impact of the Internet on society, media imperialism, mass culture, cyber criminal. Technology and education: education and new communication technologies, education and technological gap, virtual universities, intelligence and educational success. Technology and democracy: global media and liberal democracy, media and virtual reality, resistance and alternatives to global media. Technology and ecological crisis: global warming, genetically modified food, technical risks, technical society as risky. Technical intelligence: social status and impact, engineering ethics.

4. Teaching methods:

The problem is presented in lectures, and then a discussion is opened in which students may ask questions, give objections and contribute to the presented matter.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Test	Yes	10.00	Oral part of the exam	Yes	70.00
Test	Yes	10.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Radoš Radivojević	Tehnika i društvo	Fakultet tehničkih nauka	2004
2,	Radoš Radivojević	Sociologija nauke	Stylos	1997
3,	Entoni Gidens	Sociologija	Ekonomski fakultet	2003
4,	James Stevin	The Internet and Society	Camridge, Polity	2000
5,	Chris Barker	Television,Globaliization and Cultural Identities	Open University Press	1999
6,	Eugene Loos, Enid Mante-Meijer, Leslie Haddon	The Social Dynamics of Information and Communication Technology	Ashgate	2008
7,	Wenda K. Bauchspies, Jennifer Croissant, Sal Restivo	Science, Technology and Society: A Sociological Approach	John Wiley & Sons	2005
8,	Jan L. Harrington	Technology and Society	Jones & Bartlet	2011
9,	Deborah G, Johnson, Jameson M. Wetmore	Technology and Society: Building our Sociotechnical Future	MIT Press	2009

Table 5.2 Course specification

Course:		Economics
Course id:	S002A	
Number of ECTS:	3	
Teachers:		Ivanišević V. Andrea, Lošonc N. Alpar, Mitrović M. Slavica
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

The most important objective of the course is to educate students to be able to adapt to the demands of the traffic market. A student, a future engineer, acquires the knowledge of economics which is necessary for the successful realization of their aims (within enterprises of different form) during the transitional and post-transitional period in Serbia. The educational objective is conceived in combining the engineering and economic dimensions of traffic engineer`s work in an appropriate manner. It is necessary to consider the fact that the transition processes happen within a larger globalization context, and therefore the educational objective is related to student`s ability to function at a global level. Further on, the educational objective is related to developing the capabilities of traffic engineering students to refresh and renew their knowledge of economics in the future market so as to be able to survive and successfully realize their tasks at the dynamic modern markets.

2. Educational outcomes (acquired knowledge):

Practical knowledge of economics which enables a future engineer to apply economic categories in all aspects of traffic and coordinate technical processes with economic demands. Positive outcome is reflected in the development of abilities to perceive the interconnections between the economic and technical aspects of the engineering profession. Economic knowledge here primarily means handling the notions of costs and benefits, cost and profit and assumes also managerial knowledge in relation to modern organizations in traffic and traffic infrastructure. This means that the acquired knowledge in a comprehensive way prepares the students for life in the areas of economics and market.

3. Course content/structure:

Characteristics of the traffic market
Supply and demand in traffic
Price forming in traffic, price of service in traffic
Economic dimensions of technology in traffic
Costs in traffic, calculating costs and benefits
Monopoly/oligopoly in traffic, state and traffic
Economic dimensions and organization principles in traffic
Forms of enterprise in traffic
Modularity as an economic principle in traffic
Economic aspects of management, traffic engineer as an entrepreneur
Economic dimensions of leadership forms in traffic
Manager in traffic as creator of expectations
Control of traffic managers
Transaction costs in traffic
Managerial decisions and transaction costs
Network paradigm in traffic
Economic aspects of innovation and entrepreneurship in traffic: Schumpeter
Transition aspects and traffic
Necessity of transition of technological domain in traffic
Technological and economic transition in traffic
Historical types of privatization and traffic
Globalization processes in traffic economy
Managerial strategy within the globalization process

4. Teaching methods:

Teaching method includes lecture and practice classes and consultations. In the lecture classes the method of dialogue, as well as student participation method, are used. In the practice classes the students practice the acquired knowledge and in consultations they ask questions so that the more difficult problems are explained in mutual interaction and students are able to concentrate on the topics which are most relevant for their interest.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	K. Josifidis, A. Lošonc,	Principi ekonomije	Fakultet tehničkih nauka Novi Sad	2004
2,	Božić V., Novaković S	Ekonomija saobraćaja sa elementima logistike	Ekonomski fakultet Beograd	2002
3,	Vešović B. V.	Menadžment u saobraćaju	Saobraćajni fakultet Beograd	1996

Table 5.2 Course specification

Course:		Mechanics 1 – Fundamentals
Course id:	H112	
Number of ECTS:	7	
Teachers:		Grahovac M. Nenad, Spasić T. Dragan, Žigić M. Miodrag
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The teacher`s intent is that in this course the students: - Learn the fundamental notions and definitions related to mechanics as a science on forces, i.e. body movement and deformation influenced by forces - Understand the usage of these notions in the learning context of setting the problem and solving the problem - Develop the ability of recognizing problems in mechanics in the sense of identification, (model) formulation and possible solution - Use the computer for numerical and analytical solutions of dynamic problems - Be introduced to fundamental principles in engineering judgements and decision-making process.

2. Educational outcomes (acquired knowledge):

After the course, students should be able to: - Relate the acquired knowledge to the courses in mechanics and strength of materials that follow, as well as to apply that knowledge in engineering disciplines that include mechanics as their tool - Recognize diverse movements of real systems, effects of diverse actions (force and force connections), analyze friction and energy balance - Apply the acquired knowledge in the movement analysis on concrete mechanical systems, i.e. identify, formulate (idealize the practical problems by applying adequate mathematical model) and solve problems in the field that implies the content that follows - Communicate with other engineers and work in a team - Practice individually, work hard and think creatively - Demonstrate understanding and skills, and use the learnt knowledge for designing new solutions for engineering problems.

3. Course content/structure:

Investigated objects and their basic motions. Force. Momentum of force for the point (and axis), force connections. Systems of force and force connections. Examples 1-16. Basic attributes in point motion. Global and local properties of a rigid body motion. Matrix mode of motion setting. Euler`s theorem. Complex point motion. Coriolis theorem. Examples 17-50. Axioms in dynamics. Amount of motion, momentum of motion amount for a selected point, kinetic energy of a material point and theorems on their motions. Basic theorems on system dynamics. Equivalent force systems. Newton-Euler equation. Koenig`s theorem. General case of rigid body motion. Examples 51-110. Poisson theorem. Force system invariations. Balance conditions for one and more bodies. Examples 111-130. Examples always begin from simple examples, and finish with concrete engineering applications. For example, motor crankshaft, ball bearing, universal (Cardan) joint, disk on rough surface, free, forced and damped oscillations with one and two degree-of-freedom, dynamic buffer, dynamic rotor balance, movement of ships, vehicles, etc. As examples, students also learn about different friction models, collision theory elements: distribution collision model with a rigid body, approximate models – Herzog type theories, Newton-Euler collision equations, energy balance in collision, Panleve paradox and line girder loading.

4. Teaching methods:

Deductive method is used at lectures. Notions and methods that can be used for solving a large number of tasks are selected. Rarely, a single task is solved using more diverse methods. Active students` participation is recommended, so each unit is learnt during the class already. At lectures, a part of examples is completed, and the rest is completed both at practice, but also individually at home as homework assignments. Students who complete homework assignments from each example group have the right to pass the course content during the semester and hence pass the entire or the part of the practical part of the examination immediately after the course material in that field is presented in class. Apart from regular consultations, there are also pre-examination consultations as computer practice with the direct preparation for the evaluation of the course content understanding, with computer animation and the Internet guide. Practice part of the examination – exercises which were pas

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	40.00
Homework	Yes	5.00	Practical part of the exam - tasks	Yes	30.00
Homework	Yes	5.00			
Homework	Yes	5.00			
Homework	Yes	5.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	AP Markeev	Teorijska mehanika	Nauka Moskva	1990
2,	IV Meščerski	Zbirka zadataka iz mehanike	Nauka Moskva	1986
3,	KS Kolesnikov	Zbirka zadataka iz teorijske mehanike	Nauka Moskva	1989

Literature

Ord.	Author	Title	Publisher	Year
4,	B. Brogliato	Non-smooth mechanics	Springer, London	1999
5,	F Pfeiffer and Ch Glocker	Dynamics of systems with unilateral constraints	Wiley, New York	1995
6,	DT Spasić	Mehanika - deo 1: osnovna razmatranja	u pripremi	2007

Table 5.2 Course specification

Course:	Mathematics 2
Course id: S017	
Number of ECTS: 6	
Teacher:	Adžić Z. Nevenka
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

Students are able to think in an abstract way, make generalizations and acquire mathematical knowledge which they can apply in engineering.

2. Educational outcomes (acquired knowledge):

Students are able to apply mathematical models studied in this course to other engineering courses.

3. Course content/structure:

Indefinite, definite and improper integral (definitions, methods of integration, integration of some function classes, application of definite integral, gamma and beta functions). Functions of two variables. Differential equations of the first order. Higher order differential equations.

4. Teaching methods:

Lectures, numerical practice (N), consultations with lecturer and assistant. Examination comprises 3 tests and 3 partial examinations taken in written form. Examination grade is formed on the basis of lecture attendance and points from tests and partial examinations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	10.00	Written part of the exam - tasks and theory	Yes	60.00
Test	Yes	30.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Nevenka Adžić	Matematika 2	CMS Novi Sad	2011
2,	Nevenka Adžić	Zbirka zadataka iz Matematike 2	Stylos Novi Sad	2011

Table 5.2 Course specification

Course:		Urban Planning 2
Course id:	S0110A	
Number of ECTS:	6	
Teacher:		Vukajlov D. Ljiljana
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

General knowledge on urban planning related to the law governing the communicational conditions of the social (urban) space, mastering modern presentation techniques.

2. Educational outcomes (acquired knowledge):

Students acquire a wide area of knowledge related to communication aspects of urban issues through the analysis of the selected territory, projects, city, settlement, etc. Gaining knowledge necessary for the analysis of traffic connections in the conciliations of globalizing influence on transition within a growing “networked society” as opposed to “strength of identity”. Studying the role which the speed in the movement of people, goods and information has on urbanity.

3. Course content/structure:

Communication aspects of the urban process and modern techniques of producing urbanity. Urban design, urban management, sustainable development as a coordination trend for the urban environment, communication and urban development, regional development, urban dwellings, parcelling process, daily, seasonal and permanent migrations.

4. Teaching methods:

Lecture, auditory and graphic practice classes and consultations. During the course students are expected to complete one seminar paper and pass a part of the examination in the form of a partial examination.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Ranko Radović	Forma grada, osnove, teorija i praksa	Orion Art, Beograd	2005
2,	Gordon Cullen	Gradski pejzaž	Građevinska knjiga	1995
3,	Kasteks, Depol, Panere	Urbane forme	Građevinska knjiga, Beograd	1998
4,	Krier, Rob	Gradski prostor	Građevinska knjiga, Beograd	2000

Table 5.2 Course specification

Course:		Goods transport logistics properties
Course id:	S019	
Number of ECTS:	4	
Teacher:		Tepić Đ. Jovan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Introduce students to the characteristics of the transport and logistics systems. Gaining knowledge of: packaging materials, containers and packaging, transport and transfer funds in the process of packing, storage and transportation of goods.

2. Educational outcomes (acquired knowledge):

Knowledge about the technical, technological, safety, economic, administrative and ecological conditions of handling, storing and transport of products packed in different types of packaging materials, with emphasis on the choice of transport packaging and packing. Awareness of the consequences of improper and insufficient protection of raw materials, semi-finished products and products with transport, reload, storage and packing.

3. Course content/structure:

Classification of materials (metal and non-metal materials) to produce packaging. Functions and distribution of packaging in the transport and logistics flow of goods. Features and types of packaging materials. Production processes related materials, containers and packaging. Forms of packaging. Packaging systems and distribution of packaging machines. Design and construction of packaging. Selection and testing of packaging. Regulations and standards in the field of packaging and packaging. The requirements in the physical distribution of goods. Interaction with packaging: paletema, containers, warehouses and vehicles. Technical means for the handling of trade flows. Return flows of goods.

4. Teaching methods:

Lectures, auditory, graphic and laboratory practice classes. Consultations about seminar paper.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Tepić, J., Tanackov, I., Stojić, G., Sremac, S.	Poznavanje robe u transportu 2	FTN Izdavaštvo, Novi Sad	2012
2,	Špagnut, D.	Tehnološke osobine robe u transportu		1989

Table 5.2 Course specification

Course:		Electrical Measurements
Course id:	E130	
Number of ECTS:	6	
Teachers:		Pjevalica U. Nebojša, Županski Ž. Ivan, Pejić V. Dragan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge in the field of electrical measurements.

2. Educational outcomes (acquired knowledge):

Acquiring experience in the laboratory practice. Training in the field of measurement results processing. Mastering the principles of the measurement instruments operation. Studying the measuring methods.

3. Course content/structure:

Measuring instruments. Analogue measuring instruments. An instrument with the movable coil. Extension of the instrument`s measuring field with movable coil. An instrument with movable iron. Electrodynamics instrument. Extension of the measuring range of the voltmeter and ammeter. Electrical measuring instruments. Digital measuring instruments. Counter Timer. Counting. Frequency measuring. Measuring the period. Measuring the phase difference. DA converters. Function generators. AD converters. Method of voltage compensation. Method of voltage conversion into frequency. Method of double slope. Sigma delta method. Oscilloscopes. Time base. Trigger time base. X-Y mode. Multi-channel oscilloscopes. Digital oscilloscopes. Measuring transformers. Measuring voltage transformers. Current measuring transformers. Electricity meters. Induction meter of electricity. Electronic meter of electricity. Sampling timer. Measuring bridges. DC measuring bridges. Wheatstone bridge. Kelvin bridge. Alternating measuring bridges. Unbalanced measuring bridges. Measuring bridges with more sources. Measuring compensators. DC measuring compensators. Alternating measuring compensators. General characteristics of measuring instruments. Static property. Sensitivity. Linearity. Resolution. Measuring range. Scale/Watch hand/ Display. Input/Output Impedance. Accuracy. Stability. Normal/Limiting/Referent conditions. Tags. Dynamic properties. Measuring of electrical quantities. Measuring nonelectrical quantities. Measuring insecurity. Measuring errors. Rough mistakes. Systematic mistakes. Random mistakes. Measuring uncertainty. Standard measuring uncertainty. Type ``A``. Type ``B``. Combined measuring uncertainty. Extended measuring uncertainty. Measuring information. Quality of the measuring information.

4. Teaching methods:

Lectures. Laboratory practice. Consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise defence	Yes	30.00	Written part of the exam - tasks and theory	Yes	50.00
			Oral part of the exam	Yes	20.00

Literature

Ord.	Author	Title	Publisher	Year
1,	I. Bagarić	Metrologija električnih veličina merenja i merni instrumenti	Nauka Beograd	1996
2,	Robert A. Witte	Electronic Test Instruments Theory and Applications	PTR Prentice Hall	1993

Table 5.2 Course specification

Course:		English Language – Elementary
Course id:	EJ01L	
Number of ECTS:	2	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

Students are capable of using both oral and written English language in simple everyday situations.

3. Course content/structure:

Use of articles, nouns (plural), adjectives (types, possessive adjectives, comparison), pronouns (personal and possessive), auxiliary verbs (be, do, have), modal verbs. Construction and use of tenses (Present Simple, Present Continuous, Present Perfect, Past Simple, future forms. Interrogative and negative forms. Vocabulary related to daily topics: introductions, family, leisure time, business, food and drink, naming and describing daily objects, describing people and places, etc.

4. Teaching methods:

Communicative method is used since the objectives and content are directed towards communication, which is very complex. Emphasis is on students` communication with the teacher and among themselves, and on equal development of all language skills.

Knowledge evaluation (maximum 100 points)

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

Literature

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

Table 5.2 Course specification

Course:		Electric Machines and Power Electronics
Course id:	M109	
Number of ECTS:	7	
Teacher:		Oros V. Đura
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To provide the future engineers with the necessary level of knowledge in the area of electric machines and power electronics.

2. Educational outcomes (acquired knowledge):

Readiness for independent scientific and research work in the area of synthesis of drive mechanism of power machines.

3. Course content/structure:

Modelling the components of drive systems. Model levels, quasi-static and dynamic models, concentration of model parameters. Model reduction. Stationary and transitional work mode. Solving the equation of motion and determining section load in the chain of drive mechanism elements. Modelling the electric motor: asynchronous cage and slip ring motor, synchronous motor, DC motor with series, separate and combined excitation. Modelling the systems of electrical motor feeding. Modelling the power transfer in a drive system: mechanical, hydro-dynamic, hydro-static and pneumatic. Modelling the control and regulation sub-systems. Computer simulation of drive operation. Commercial software.

4. Teaching methods:

Lectures. Practice classes: numerical (N), laboratory (L), computer (C). Individual consultations. The examination consists of the development and defence of an individual paper and an oral part.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Levi, E., Vučković, V., Strezoski, V.	Osnovi elektroenergetike, elektroenergetski pretvarači	Stylos-FTN	1997
2,	Vukić, Đ	Elektrotehnika	Naučna knjiga	1991
3,	V. Teodorović	Električne pogonske mašine	Naučna knjiga	1978

Table 5.2 Course specification

Course:		Electrical Engineering and Electric Machines
Course id:	M112	
Number of ECTS:	7	
Teachers:		Đurić M. Nikola, Juhas T. Anamarija, Oros V. Đura, Prša A. Miroslav
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To acquire basic knowledge in the field of applied electrical engineering, electromechanical energy conversion, electric machines and their application in traffic and means of transportation.

2. Educational outcomes (acquired knowledge):

Students will be able to understand fundamental notions on time invariant and time varying electric currents with the aspects of application in electric machines. They will know the notions on electricity and electric properties of materials used for manufacturing active parts in electric machines. They will be able to understand the working process and calculations related to electric machines, as well as their practical application in traffic and in means of transportation.

3. Course content/structure:

Fundamental notions on electric energy. Direct currents. Alternating currents. Principles of solutions for electric networks. Organization of a contemporary electrical and power system. Production, transmission and consumption of electrical power. Electric surroundings of an electric machine. Principles of electromechanical energy conversion. Types of electric machines, basic elements and properties. Transformators. Rotational electric machines. Alternating current machines. Asynchronous machines. Cage and Sliding ring motors. Direct current machines. Synchronous machines. Basic notions on electrical motor powers and application of power electronic devices. Examples of electric machine application in traffic (alternator, starter engine).

4. Teaching methods:

Lectures on the board, auditory practice and work in the laboratory through the demonstrated and individual laboratory practice.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise defence	Yes	20.00	Written part of the exam - tasks and theory	Yes	70.00
Test	Yes	10.00	Coloquium exam	No	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Miroslav Prša	Osnovi elektrotehnike za studente neelektrotehničkih fakulteta	Stylos	1995
2,	Milanković M., Perić D.	Osnovi Elektroenergetike	Viša elektrotehnička škola, Beograd	2002
3,	Levi, E., Vučković, V., Strezoski, V	Osnovi Elektroenergetike	Stylos-FTN	1997
4,	Miroslav Prša, Laslo Juhas	Osnovi elektrotehnike - zbirka zadataka za studente neelektrotehničkih fakulteta	FTN Izdavaštvo	2001

Table 5.2 Course specification

Course:		German Language – Pre-Intermediate			
Course id:	NJ02L				
Number of ECTS:	2				
Teachers:		Berić B. Andrijana, Jović Đ. Miomira			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	0	0	0	
Precondition courses					

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

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

Literature

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

Table 5.2 Course specification

Course:		Freight Forwarding
Course id:	S0212	
Number of ECTS:	6	
Teacher:		Stojanović M. Đurđica
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire basic knowledge on the importance and role of freight forwarding in a country`s industrial system, as well as in the realization of international freight flows; also, to learn about technology on the realization of basic and special forwarding jobs.

2. Educational outcomes (acquired knowledge):

To acquire theoretical and practical knowledge, as well as skills for performing the forwarder`s jobs.

3. Course content/structure:

The importance and structure of forwarding function. The components for designing transport and logistic chains, and the forwarder`s role in the rationalization process of freight flows. Selection of optimal forwarding technology for the realization of intermodal transport. Cooperation, unions and associations for the improvement and development of forwarder`s activities. “Make or buy” – decisions in forwarding. Internal organization of forwarding business practice. Technology of forwarding activities realized in goods import, export and transit, as well as the technology of forwarding activities realized in special dealings. Information (documents and the like) flows in the organization and realization of freight flows. Transport insurance. Customs system in the function of forwarding activities` realization.

4. Teaching methods:

Lectures and practice, computer practice, visit to a company, elaboration, presentation and defence of seminar paper.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Vladeta Gajić	Međunarodna špedicija - skripte sa predavanja		2003
2,	Boris Marović	Špedicija i osiguranje	NONPAREJ Novi Sad	2001
3,	Boris Marović	Osiguranje	A-Š Delo, Beograd	1993
4,	Vladeta Gajić	Špeditersko poslovanje	Fakultet za poslovni menadžment Bar	2007
5,	Stojanović, Dj., Gajić, V.	Praktikum iz špedicije - elementi teorije, primeri i zadaci	FTN Novi SAd	2010

Table 5.2 Course specification

Course:		Mathematical Statistics
Course id:	S0213	
Number of ECTS:	8	
Teacher:		Adžić Z. Nevenka
Course status:		Mandatory

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

Enabling students in abstract thinking and acquiring basic knowledge in the field of advanced mathematics and mathematical statistics.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in solving mathematical models in professional courses.

3. Course content/structure:

Basic notions in the series theory (number and power series). Basic notions in multiple integrations (double, triple, line and surface integrals). Basic notions in the probability theory (classical probability and random variables). Statistic research. Numerical processing of statistic data. Confidence intervals. Testing statistic hypotheses. Linear regression.

4. Teaching methods:

At lectures, theory is presented to students and illustrated with relevant examples. At auditory and laboratory practice, student solve concrete tasks that supplement the theoretical course content. Teacher and assistant help students in mastering the course content during consultations. Examination comprises 4 tests and 4 partial examinations taken in written form. Examination grade is formed on the basis of lecture attendance and points from tests and partial examinations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Nevenka Adžić i Aleksandar Nikolić	Teorija redova sa primerima	CMS, Novi Sad	2011
2,	Nevenka Adžić i Joviša Žunić	Višestruki integrali i teorija polja	CMS Novi Sad	2011
3,	Nevenka Adžić	Statistika	CMS Novi Sad	2012
4,	Tatjana Grbić, Ljubo Nedović	Zbirka rešenih zadataka sa pismenih ispita iz verovatnoće i statistike	FTN, Novi Sad	2002
5,	Nevenka Adžić	Zbirka zadataka iz Teorije polja		2011
6,	Nevenka Adžić	Zbirka zadataka iz Višestrukih integrali i teorije polja		2011

Table 5.2 Course specification

Course:		Water Transport Technology
Course id:	S0216	
Number of ECTS:	4	
Teacher:		Bačkalić M. Todor
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire knowledge in technical characteristics and design of transport vessels, natural and artificial waterways and hydraulic structures.

2. Educational outcomes (acquired knowledge):

To apply acquired knowledge on technical and technological properties of water transport technology in solving transport problems in water transport, as well as in defining logistic chains and supply chains. The knowledge on the water transport technology, together with the knowledge acquired in the course Organization of Water Transport, defines the place and role of water transport in the knowledge basis acquired in the courses dealing with other forms of transport (road and railway), and reloading means and technology. The courses that present the knowledge upgrade and process complex knowledge necessary for solving the problem of selecting the most feasible logistic chain (freight forwarding, company logistics, intermodal transport technologies) demand the proper knowledge on the basic forms of transport.

3. Course content/structure:

Basic characteristics of water transport. Characteristic forms of water transport depending on navigation area. Transport vessels. Basics of theory oh ship and ship design. The main waterways. Hydrology and river bed forming. River regulation for navigation. Navigable canals. Ship locks. Maintenance of inland waterways.

4. Teaching methods:

Lectures: oral presentations and computer presentations. Auditory practice: oral presentations and computer presentations. Laboratory practice: introduction to the usage of instruments for measuring real system parameters, visiting the terrain and visiting establishments and companies dealing with the course matter.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	Yes	35.00
Lecture attendance	Yes	5.00	Final exam - part two	Yes	35.00
Presentation	Yes	5.00			
Term paper	Yes	15.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Čolić Vladeta, Radmilović Zoran, Vladimir Škiljaica	Vodni saobraćaj	Saobraćajni fakultet Univerziteta u Beogradu	2005
2,	Škiljaica Vladimir, Bačkalić Todor	Tehnologija vodnog saobraćaja deo I - Plovna prevozna sredstva	Fakultet tehničkih nauka Univerziteta u Novom Sadu	2005
3,	Kreculj Dobren, Čolić Vladeta	Plovna sredstva	Saobraćajni fakultet Univerziteta u Beogradu	1988
4,	Dragutin Muškatirović	Unutrašnji plovni putevi i pristaništa	Saobraćajni fakultet, Beograd	1992

Table 5.2 Course specification

Course:		Insurance for traffic and transport
Course id:	S0I321	
Number of ECTS:	5	
Teachers:		Avdalović A. Veselin, Ćosić I. Đorđe
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The goal of course is training students for the development of basic insurance products, defining requirements for insurance and finding the most effective ways for economic protection due to damage or destruction of items, health and life due to calamitous events and accidents. During the program, students hiccup knowledge required to determine the need, type and method of insurance.

2. Educational outcomes (acquired knowledge):

Students will be able to identify the need for insurance protection for businesses and individuals, to recognize the risk and the threat to the things and people, and to design the most appropriate form of insurance for different types of assets. Through lectures, exercises and practical work, students will gain the knowledge about the insurance company, functioning, technical elements of security and the economic, legal and social function of insurance.

3. Course content/structure:

Theoretical study, the content and structure of the subject. Introduction to Insurance, insurance history, the definition of insurance, operation of insurance, insurance technical basis, the economic importance of insurance. The division of insurance: life insurance, life insurance, reinsurance and coinsurance. Subjects of insurance: the insurer, the insured, the beneficiary, contractor insurance, insurance agents and insurance brokers. Organizational forms of insurance: joint-stock insurance, mutual insurance company, an association of insurers, insurance pools and reinsurance. Transport insurance, hull, cargo, liability insurance carrier, risks in transportation, general and particular failures, SG Policy, MAR policy, marine insurance, inland freight, institute clauses ...

4. Teaching methods:

Oral presentations using tools (video screen, pad), written materials as a function of exercise. Visit the insurance companies for practical exercises.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Dr Veselin Avdalović, DrBoris Marović	Osiguranje i teorija rizika	CAM Novi Sad i Beogradska bankarska akademija 2006	2006
2,	Dr Boris Marović, Dr Veselin Avdalović	Osiguranje i upravljanje rizikom	Birografika 2003	2003

Table 5.2 Course specification

Course:		English Language – Pre-Intermediate
Course id:	EJ02Z	
Number of ECTS:	2	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta
Course status:		Elective

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

Precondition courses

1. Educational goal:

Further developing English language essentials: expansion of vocabulary related to everyday situations, adoption of basic prefixes and suffixes, compounds and collocations, expansion in the usage of tenses, adoption of more complex sentence structures.

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

Word formation (prefixes, suffixes, compounds), some phrasal verbs, collocations. Expansion in using tenses (Present Continuous, Present Perfect Simple and Continuous, Past Perfect, Past Continuous, future forms). Adoption of most irregular verbs. Passive structures. Time, relative and conditional clauses.

4. Teaching methods:

The communication method is used since the goals and content are related towards communication that is rather complex. This method simultaneously develops all language skills. The emphasis is on students` activities during classes, their interaction with the teacher and among themselves.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	John and Liz Soars	New Headway English Course, Preintermediate	Oxford University Press	2003
2,	John Eastwood	Oxford English Grammar Intermediate	Oxford University Press, Oxford	2006
3,	Grupa autora	Oxford English - Serbian Dictionary	Oxford University Press	2006
4,	Morton Benson	Srpsko-Engleski rečnik	Prosveta	1993

Table 5.2 Course specification

Course:		IC Engine Equipment
Course id:	M2523	
Number of ECTS:	5	
Teachers:		Dorić Ž. Jovan, Klinar J. Ivan
Course status:		Elective

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Acquiring extended theoretical and practical knowledge and skills in the field of functionality and element construction, systems, as well as individual mehatronics components which are part of IC engines equipment.

2. Educational outcomes (acquired knowledge):

Enabling for independent and creative utilization of acquired knowledge and skills in considering and solving new problems, as well as ability of interdisciplinary apporach to problems in the field of functionality and element construction, devices and systems, and individual mechatronic components which are part of IC engines equipment.

3. Course content/structure:

Fuel systems for alternative Otto and diesel engines feeding by liquid and gas fuels. Construction formiing and calculation of individual system elements for Otto and diesel engines feeding. Processes in injection system and calculatin of individual system elements. Characteristics and impact of factors on operation of ignition systems. Regulators of revolution number of direct and indirect action engines. Regulator elements construction. Regulator characteristics and regulator process indicators. Engine lubrication systems: construction performance and element calculation. Engine cooling systems: construction performance and element calculation. Engine temperature automation regulation. Engine strating systems. Starting by compressed air: design and calculation of system parts. Fuel, oil and air filters. Directions for filter calculation.

4. Teaching methods:

Oral presenting in classes, accompanied by appropriate pictures, diagrams and schemes. Auditory practical classes, laboratory practical classes performed at testing tables for testing IC engines with appropriate laboratory equipment.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Klinar I.	Pojave i procesi u sistemu ubrizgavanja dizel goriva i proračun sistema, skripta	FTN, N.Sad	1995
2,	Klinar I.	Oprema motora SUS	FTN, N.Sad	1995
3,	Klinar I.	Sistemi napajanja gorivom motora SUS, skripta	FTN, N. Sad	1991

Table 5.2 Course specification

Course:		Internal Combustion Engines
Course id:	S0I241	
Number of ECTS:	5	
Teachers:		Dorić Ž. Jovan, Klinar J. Ivan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To acquire basic knowledge in the field of theory, working indicators, power characteristics and equipment of the internal combustion engines.

2. Educational outcomes (acquired knowledge):

Ability for routine usage of acquired knowledge and skills in individual or team work, as well as the ability for further improvements in the complex area of internal combustion engines.

3. Course content/structure:

Basic construction, working principles and classifications of internal combustion engines. Working matter and engine fuel. Theoretical engine cycles: Otto, diesel and combined. Analysis on real cycles: process of working matter exchange, compression process, combustion process and expansion process. Basic indicators of working cycles: indicative, efficient and forced indicators. Heat balance. Engine power properties: speed, load, propeller, combinatory (universal), tuning, idle stroke and other properties. Monitoring the engine properties. Fuel feeding system of Otto and diesel engines. Ignition systems in Otto engines. Engine cooling systems. Engine lubrication systems. Engine starting systems. Regulators for the number of engine strokes. Air filters for engines.

4. Teaching methods:

Presentations are oral, supplemented by adequate images, diagrams and schemes projected on the screen by a computer and a video beam, and sometimes using an overhead projector. Auditory practice classes are numerical with presentations, while the laboratory practice classes are performed on experimental tables for investigating the engines and using the adequate laboratory equipment.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Project task	Yes	30.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Klinar Ivan	MOTORI SUS	FTN	2005

Table 5.2 Course specification

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

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

Precondition courses

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

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

Literature

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

Table 5.2 Course specification

Course:		Reload Logistics
Course id:	S0218	
Number of ECTS:	6	
Teachers:		Georgijević S. Milosav, Vladić M. Jovan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring basic professional knowledge related to reload processes, material flow, transport machines and devices.

2. Educational outcomes (acquired knowledge):

Acquired knowledge can be used in practice for solving reload processes, optimal choice and exploitation of transport systems and devices.

3. Course content/structure:

Models for material and information flows, simulations. Basic equipment parameters, analysis on working operations of intermittent running engines and the selection of machines and devices. Devices for cargo gripping and carrying, cables, chains, pulleys, tackles, and lifting and motion engines. Reload technology in pallet storage, machines and equipment. Terminals for containers and bulk cargo (machines and equipment for intermittent transportation). Working automation of intermittent running machines.
Reload continuous action equipment. Properties of materials and transport units. Band conveyors. Description, properties and calculations for a conveyor with the chain-driving element. Elevators. Description, properties and calculations for a conveyor without the driving element. Specific machines and equipment (automatically controlled vehicles, robots and manipulators, palletizers, pneumatic transport…). Working automation of continuous action machines.

4. Teaching methods:

Lectures, auditory and laboratory practice. During the teaching process, students have the possibility to take and pass three partial examinations – tests and hence be excluded from taking the written part of the examination. Condition for taking the final examination is successful completion and defence of the homework in the form of a graphic paper. Final examination comprises theoretical questions.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Vladić J.	Mehanizacija i tehnologija pretovara	FTN, Novi Sad	2005
2,	Georgijević, M.	Regalna skladišta	Mala velika knjiga, Novi Sad	1995
3,	Georgijević, M.	Pretovar kontenera	Knjiga pripremljena za štampu	2008

Table 5.2 Course specification

Course:		Information technologies in transport
Course id:	S024N	
Number of ECTS:	4	
Teacher:		Simić S. Dragan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge about the role and the importance of information technology and information systems and their use in modern transport systems.

2. Educational outcomes (acquired knowledge):

Acquisition of theoretical and practical knowledge and relevant skills about the role of information technology and information systems in modern operating systems as well as specific information systems in traffic, transport and logistics systems. With this particular knowledge the students will be capable to do specific engineer tasks in transport domain, and they will be able to acquire more easily new knowledge in the field of computer technology.

3. Course content/structure:

Information and data. Basic concepts of computer science and information technology. Fundamentals of Information Systems. Modern business information systems. Information system components: hardware, software, databases, computer networks, human resources. The organization and structure of data. Systems for database management. Relational database. Information systems in traffic management. Information systems for transport management. Information systems for warehouse management. Distribution centers and information technology.

4. Teaching methods:

Lectures, exercises, computer exercises and continuous individual work.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Stephen Doyle	Information Systems for You - Student's Book	Nelson Thornes	2001
2,	Berhard Tilanus	Information Systems in Logistics and Transportation	Pergamon	1997
3,	John J. Coyle, Edward J. Bardi, C. John Langley Jr	Management of Business Logistics (7 edition)	South-Western	2003
4,	Paul Bocij, Andrew Greasley, Simon Hickie	Business Information Systems: Technology, Development and Management for the e-Business	Financial Times/ Prentice Hall	2008

Table 5.2 Course specification

Course:		Regulations in the Field of Traffic
Course id:	S0214	
Number of ECTS:	5	
Teacher:		Jovanović M. Dragan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire knowledge in fundamentals of law and legal normative as a prerequisite for better understanding of those legal regulative related to human relations, conditions and behaviour in traffic. To learn legal regulative as limiting factors that influences the behaviour of those participating in traffic. To apply national and international regulations in the function of planning, organizing, regulating and providing safety in traffic.

2. Educational outcomes (acquired knowledge):

To acquire knowledge on traffic regulations most commonly met by traffic engineers in their work places, i.e. in organizations dealing with public transport for personal needs, organizations dealing with road maintenance, inspection services, etc. To learn about regulative that provides norms on general conditions in order to facilitate international traffic.

3. Course content/structure:

Course subject. National and international sources of regulations in traffic. Conditions for transportation activities. Regulations in the field of traffic (traffic safety, transport organization, hazardous matter transport). Transport licences in domestic and international transport. Responsibility in traffic. Multilateral and bilateral international contracts.

4. Teaching methods:

Lectures and auditory practice. During the course, students have to elaborate a seminar paper, in which they have to analyse the practical application of regulations, and there are also workshops where students discuss the most significant regulations in the field of traffic.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	25.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	25.00
Term paper	Yes	20.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Milan Inić	Osnove saobraćajnog prava	Fakultet tehničkih nauka	2004
2,	Savezni propisi	Zakon o bezbednosti saobraćaja na putevima	Službeni list	2002
3,	Naučno-stručni skup	Naučno-stručni skup, Propisi u bezbednosti saobraćaja "Postojeće stanje i problemi primene"	Viša škola unutrašnjih poslova	2003

Table 5.2 Course specification

Course:		Operations research
Course id:	S053N	
Number of ECTS:	5	
Teacher:		Pantović B. Jovanka
Course status:		Mandatory

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

The main objective is to develop the ability for setting the mathematics models of queueing systems and linear problems, introduction to some methods of their solving and introduction to the possibilities of their application in engineering problems.

2. Educational outcomes (acquired knowledge):

Theoretical knowledge in the field of the stated course contents. Skills in setting the mathematics models and knowledge of algorithms for their solving. Application of mathematical modeling on analysis of queueing systems.

3. Course content/structure:

Queuing theory: M/M/1, M/M/1/k, M/M/s, M/M/s/k. Liinear programming. Simplex algorithm. Duality theory. Introduction to Graph theory. Network flow. Application: transportation problem, the assignment problem.

4. Teaching methods:

Theoretical part of the course is followed by typical examples in order to better understand the thought matter. In the practice, which accompanies lectures, characteristic problems are solved and the knowledge taught during lectures is deepened. The knowledge is tested through simulation and analysis of a queue, use of PPLEX and the final examination. Course grade is formed based on the success in creating queue simulation and results of the final exam.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	10.00	Practical part of the exam - tasks	Yes	70.00
Computer excersise defence	Yes	10.00			
Homework	Yes	5.00			
Homework	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Petrić, J., Kojić, Z., Šarenac, L.,	Zbirka zadataka iz operacionih istraživanja	Nauka, Beograd	1996
2,	Vukadinović, S.	Elementi teorije masovnog opsluživanja	Naučna knjiga, Beograd	1988
3,	Mila Stojaković	Slučajni procesi	FTN, Novi Sad	1999
4,	Robert Vanderbei	Linear Programming	Springer	2008

Table 5.2 Course specification

Course:	Introduction to Logistics
Course id: SO211	
Number of ECTS: 4	
Teacher:	Nikoličić S. Svetlana
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring basic knowledge of: logistics significance in economic system of one country, structure and tasks of logistics system and structure of logistics processes, thanks to which material goods flow transformation in time and space is carried out.

2. Educational outcomes (acquired knowledge):

By completing the course student will be capable to: distinguish the structure of the logistics system; defines the membership, basic functions and tasks of particular subsystems; identifies, describes and quantifies logistics processes; evaluate basics performances of logistic processes.

3. Course content/structure:

Essence determinants of logistics – genesis and definitions. Systematic and process approach in logistics. Logistics system and subsystems: transport, transshipment, storaging, inventory management, information subsystems. Logistics and supply chains. Logistics processes. Logistics costs. Logistics service. Logistics in manufacturing and trading companies. Logistics providers. Logistics performances.

4. Teaching methods:

Lectures, exercises, consultations, debates, team presentations. Knowledge testing : parcial test taking (collpoquium 1 and colloquium 2) or intire exam at once.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Homework	Yes	10.00			
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Gajić V.	Logistika preduzeća - skripta	Fakultet tehničkih nauka Novi Sad	2002
2,	David J. Bloomberg, Stephen B. LeMay, Joe B. Hanna	Logistika	Biblioteka gospodarska misao, Zagrebačka škola ekonomije i managementa	2006
3,	Gordana Radivojević, Momčilo Miljuš, Milorad Vidović	Logistički kontroling i performanse	Saobraćajni fakultet, Beograd	2007
4,	Milorad Kilibarda	Marketing u logistici, Univerzitet u Beogradu, Saobraćajni fakultet,	Univerzitet u Beogradu, Saobraćajni fakultet	2011

Table 5.2 Course specification

Course:		Organization of Water Transport
Course id:	S0220	
Number of ECTS:	6	
Teacher:		Bačkalić M. Todor
Course status:		Elective

Number of active teaching classes (weekly)

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

Precondition courses

1. Educational goal:

To acquire knowledge on organization and technology of transport process, work organization and exploitation of fleet, navigation and navigation conditions, and technical and technological characteristics of ports.

2. Educational outcomes (acquired knowledge):

Application of acquired knowledge on technical and technological properties related to water transport organization in solving problems in defining logistic chains and supply chains. Knowledge on the water transport organization, together with the knowledge acquired in the course Water Transport Technology, defines the place and role of water transport in the knowledge basis acquired in the courses dealing with other forms of transport (road and railway), and reloading means and technology. The courses that present the knowledge upgrade and process complex knowledge necessary for solving the problem of selecting the most feasible logistic chain (freight forwarding, company logistics, intermodal transport technologies) demand the proper knowledge on the basic forms of transport.

3. Course content/structure:

Introduction: organization and technology of transport process in water transport. Technology of the transport process in water transport. Exploitation indicators of work and transport ability of a fleet. Cargo loading and cargo plan. Transport costs in water transport. Choosing transport technology and vessel type. Basics of navigation and vessel traffic control on inland waterways. Basic technical and technological properties and port classification. Basic port elements. Operational river banks – quay walls, pier. Port aquatorium and anchorage. Reload and transport mechanization in a port. Port storage facilities.Port capacity.

4. Teaching methods:

Lectures: oral presentations and computer presentations. Auditory practice: oral presentations and computer presentations. Laboratory practice: introduction to the usage of instruments for measuring real system parameters, visiting the terrain and visiting establishments and companies dealing with the course matter.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	3.00	Written part of the exam - tasks and theory	Yes	70.00
Homework	Yes	5.00			
Homework	Yes	5.00			
Laboratory exercise attendance	Yes	3.00			
Lecture attendance	Yes	4.00			
Presentation	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Čolić Vladeta, Zoran Radmilović, Vladimir Škiljaica	Vodni saobraćaj	Saobraćajni fakultet Univerziteta u Beogradu	2005
2,	Muškatirović Dragutin	Unutrašnji plovni putevi i pristaništa	Saobraćajni fakultet Univerziteta u Beogradu	1992
3,	Radmilović Zoran	Planiranje i razvoj luka i pristaništa	Saobraćajni fakultet Univerziteta u Beogradu	1994
4,	Škiljaica Vladimir. Bačkalić Todor	Tehnologija vodnog saobraćaja - deo Plovna prevozna sredstva	FTN, Novi Sad	2005

Table 5.2 Course specification

Course:		Process management in water transport
Course id:	S0I4N4	
Number of ECTS:	6	
Teacher:		Bačkalić M. Todor
Course status:		Elective

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

Precondition courses

1. Educational goal:

Acquire knowledge about processes in water transport, technological and organizational characteristics of fleet management, ship maneuvering process and vessel traffic control on inland waterways, planning, development and exploitation of ports.

2. Educational outcomes (acquired knowledge):

To apply acquired knowledge on technical and technological properties of water transport technology in solving transport problems in water transport, as well as in defining logistic chains and supply chains. The knowledge on the water transport technology, together with the knowledge acquired in the course Organization of Water Transport, defines the place and role of water transport in the knowledge basis acquired in the courses dealing with other forms of transport (road and railway), and reloading means and technology. The courses that present the knowledge upgrade and process complex knowledge necessary for solving the problem of selecting the most feasible logistic chain (freight forwarding, company logistics, intermodal transport technologies) demand the proper knowledge on the basic forms of transport.

3. Course content/structure:

Introduction: basic principles of process management i water transport. Organization and technology of transport process in water transport. Technology of the transport process in water transport. Exploitation indicators of work and transport ability of a fleet. Cargo loading and cargo plan. Transport costs in water transport. Choosing transport technology and vessel type. Basics of navigation and vessel traffic control on inland waterways. Basic technical and technological properties and port classification. Basic port elements. Operational river banks – quay walls, pier. Port aquatorium and anchorage. Reload and transport mechanization in a port. Port storage facilities. Port capacity. Port planing and development.

4. Teaching methods:

Lectures: oral presentations and computer presentations. Auditory exercises: oral presentations and computer presentations. Laboratory exercise: introduction to the instruments for measurement of real systems, fieldwork and visits to institutions and companies dealing with the subject matter.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	Yes	35.00
Lecture attendance	Yes	5.00	Final exam - part two	Yes	35.00
Presentation	Yes	5.00			
Term paper	Yes	15.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Čolić Vladeta, Radmilović Zoran, Škiljaica Vladimir	Vodni saobraćaj	Saobraćajni fakultet, Beograd	2006
2,	Škiljaica Vladimir, Todor Bačkalić	Tehnologija vodnog saobraćaja - deo Plovna prevozna sredstva	FTN, Novi Sad	2005
3,	Muškatirović Dragutin	Unutrašnji plovni putevi i pristaništa	Saobraćajni fakultet, Beograd	1992
4,	Radmilović Zoran	Planiranje i razvoj luka	Saobraćajni fakultet, Beograd	1994

Table 5.2 Course specification

Course:		Railway Transport Technology
Course id:	S0323	
Number of ECTS:	5	
Teachers:		Stojić S. Gordan, Tanackov J. Ilija, Tepić Đ. Jovan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire knowledge in the fundamentals of railway system, stable and mobile units, driving equipment and vehicles, work with freight and passenger vehicles, railway station work organization and overall organization of the railway system, as well as the calculations on the railway system capacity.

2. Educational outcomes (acquired knowledge):

Ability of analytical relation-making of technical properties of railway transport with the entire transport system. Utilizing knowledge necessary for the organization of transport processes and timetable construction.

3. Course content/structure:

Technical system of the railway transport, stable units and mobile equipment. Technology of freight vehicle usage and freight transport organization. Technology of driving vehicle usage. Coordination of engine and wagon pools. Transport plan. Technology of passenger wagon pool usage, passenger transport organization and railway systems for mass passenger transport. Technology of station work. Railway timetable. Railway tracks capacity.

4. Teaching methods:

Auditory lectures and practice, laboratory practice (visits to passenger and freight railway stations).

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	40.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Đorđe M. Kopić	TEHNOLOGIJA ŽELEZNIČKOG SAOBRAĆAJA	Fakultet tehničkih nauka u Novom Sadu	2006
2,	Đorđe Kopić, Ilija Tanackov	Zbirka rešenih zadataka iz tehnologije železničkog saobraćaja,	Fakultet tehničkih nauka Novi Sad	2004
3,	Dr Mirko Čičak	Organizacija železničkog saobraćaja	Saobraćajni fakultet u Beogradu	1990
4,	Dr Mirko Čičak, Mr Slavko Vesković	Organizacija železničkog saobraćaja - zbirka rešenih zadataka	Saobraćajni fakultet, Beograd	1999

Table 5.2 Course specification

Course:		Fundamentals in Traffic Planning
Course id:	S0324	
Number of ECTS:	5	
Teacher:		Basarić B. Valentina
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire knowledge in the field of research and analysis on generation of spatial and time distribution of traffic demands related to passenger and goods flow, as well as transport capacity characteristics of transport means and traffic infrastructure.

2. Educational outcomes (acquired knowledge):

Ability in the organization and research implementation in traffic, analysis and dialysis on the traffic system situation, participation in the elaboration of spatial and urban plans, and the preparation of databases for elaborating the traffic studies.

3. Course content/structure:

Historical survey on the development of the traffic planning process and land usage. Traffic demand – determining the demand, information system and database creation, counting and questionnaires, time and spatial properties of transport demands. Interdependency in land usage and transport demand, influence of social and economic processes on transport demand. Transport supply – transport capacity of vehicles, individual transport vehicles, public transport systems, freight transport systems. Traffic networks – categorization and functional classification, trunk networks, city networks, capacity and service level. Regulation of traffic supply and demand.

4. Teaching methods:

Lectures, auditory and practical laboratory practice. The course predicts the elaboration of papers. Passed partial examination is a substitute for the part of the examination.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Ratomir Vračarević	Osnove planiranja saobraćaja-skripta	Fakultet tehnkičkih nauka	2002
2,	Valentina Basarić, Milan Simeunović	Planiranje saobraćaja - Praktikum sa zbirkom zadataka	Fakultet tehničkih nauka	2007
3,	J.Pađen	Osnove prometnog planiranja	Informator Zagreb	1986
4,	Nenad Jovanović	Planiranje saobraćaja	Saobraćajni fakultet Beograd	1990
5,	Mihajlo Maletin	Planiranje saobraćaja i prostora	Građevinski fakultet Beograd	2004
6,	J. Jović, I. Ivanović	Zbirka zadataka iz planiranja saobraćaja	Saobraćajni fakultet Beograd	2011

Table 5.2 Course specification

Course:		Roads and Junctions
Course id:	S0326	
Number of ECTS:	7	
Teacher:		Uzelac D. Đorđe
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Mastering the basic engineering knowledge in planning, designing and building roads, including intersections (levelled and unlevelled) and pavement structures.

2. Educational outcomes (acquired knowledge):

Knowledge in essential procedures and techniques for planning, designing and building roads.

3. Course content/structure:

Lecture content:
- Introductory lecture
- Historical development of roads and road traffic
- Classification of roads
- Exploitation index in road design and exploitation
- Driver – vehicle – environment
- Road cross section
- Project geometry elements
- Situational and levelling plan
- Road routing and formation
- Road design methodology
- Intersections
- Urban roads
- Soil and road construction materials
- Pavement structures
- Road maintenance and management

4. Teaching methods:

Lectures, auditory and graphic practice, and consultations.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Đorđe Uzelac	Pisana predavanja, ''Putevi i saobraćajnice'', prof. Đ. Uzelac		2007
2,	J.Katanić, M.Maletin, V. Anđus	Projektovanje puteva	Građevinska knjiga, Beograd	1989
3,	M. Maletin	Planiranje i projektovanje saobraćajnica u gradovima	Orion art, Beograd	2005
4,	A. Cvetanović	Kolovozne konstrukcije	Akademska misao, Beograd	2007
5,	RADNA GRUPA	Pravilnik o osnovnim uslovima koje javni putevi moraju da ispunjavaju sa stanovišta bezbednosti	SDPJ Beograd	1981

Table 5.2 Course specification

Course:		Traffic Safety
Course id:	S0331	
Number of ECTS:	6	
Teacher:		Jovanović M. Dragan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Learning about phenomena, causes, conditions and other factors influencing the situations that endanger people and properties in traffic, with a special emphasis on learning about traffic accidents (etiology). Acquiring knowledge on the possibilities of social organizations to adapt space for traffic without larger dangerous consequences on social values.

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

Course subject. Traffic safety methods. Notion of traffic accident phenomenology. Action mechanisms of traffic safety factors. Traffic accidents. Dynamics and structure of traffic accidents. Consequences of traffic accidents. Evaluation in the field of traffic safety. Structure and action rhythm in traffic. Executors of traffic accidents. Notion of traffic accident etiology. Traffic accident cause quantification. Objective factors. Technical factors. Road as a traffic safety factor. Vehicle as a traffic safety factor. Natural factors. Social factors. Hyman factor in traffic safety. Intelligent transport systems.

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Milan Inić	Bezbednost drumskog saobraćaja	Fakultet tehničkih nauka	2004
2,	Slobodan Pantazijević	Bezbednost saobraćaja	MUP Srbije, Viša škola unutrašnjih poslova, Zemun	1994
3,	Dragač Radoslav, Vujanić Milan	Bezbednost saobraćaja II deo	Saobraćajni fakultet Beograd	2002
4,	Milan Vujanić	Zbirka rešenih zadataka iz bezbednosti saobraćaja I deo	Saobraćajni fakultet Beograd	1991
5,	Milan Inić	Etiologija saobraćajnih nezgoda	Savremena administracija, Beograd	1995
6,	Radoslav Dragač	Bezbednost saobraćaja III	Saobraćajni fakultet, Beograd	1994
7,	Inić Milan	Fenomenologija saobraćajnih nezgoda	Institut za saobraćaj	1995
8,	Svetozar Kostić	Brzina kao faktor bezbednosti drumskog saobraćaja	Univerzitet u Novom Sadu, FTN-Saobraćajni odsek	1994
9,	Milan Inić	Okolina i saobraćajne nezgode	Institut za saobraćaj, FTN-Novi Sad	1996
10,	Milan Inić	Bezbednost drumskog saobraćaja skripta II deo	Fakultet Tehničkih Nauka Novi Sad	2004
11,	Milan Hajduković	Čovek i nezgode	FTN Novi Sad, Institut za krim. istr. Beograd	1994
12,	Naučno stručni skup	Propisi u bezbednosti saobraćaja "Postojeće stanje i problemi primene"	Viša škola unutrašnjih poslova, Beograd	2003
13,	Kosa Mitošević	Čovek i nezgode u saobraćaju	Društvo inž. i tehničara saobraćaja i veza, Novi Sad	1985

Literature

Ord.	Author	Title	Publisher	Year
14,	Milan Inić	Čovek autor i žrtva saobraćajne nezgode	Offset print, Novi Sad	1997

Table 5.2 Course specification

Course:		Road Traffic Technology
Course id:	S0322	
Number of ECTS:	6	
Teacher:		Gladović V. Pavle
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To acquire knowledge on the dimensioning of transport capacities, costs, transport routes and indicators of vehicle fleet activities. Determining and finding the most optimal modes of linking the working labour, means of transport and transport subject into a technically optimal and organized transport process. Learning about a range of procedures and methods in the unique intermodal transport where each prior procedure is related to the subsequent one all until the end of the transport process.

2. Educational outcomes (acquired knowledge):

Observing the possibility for providing the optimal transport process that will enable successful functioning of freight and passenger transport. Acquiring knowledge on the transport as an industrial activity providing a logistic support in the production process. Possibility of individual organization of optimal transport route during the transport process, as well as the rationalization in the usage of means of transportation, as well as technical devices and equipment, based on the existing transport demands.

3. Course content/structure:

Transport and transport systems. Basic concepts in transport and transport systems. Transport process. Working elements of transport units. Technical and exploitation indicators of the transport units. Measuring devices and exploitation coefficients related to the travelled distances. Vehicle speed. Measuring devices and usage of useful vehicle capacity. Productability of freight vehicle units. Dimensioning of transport capacities. Vehicle exploitation costs in road traffic. Selection of a transport route in the freight transport process. Coordination of vehicle motion and freight terminal working hours. Goods and goods flow. Passenger transport in road traffic. Measuring devices for coach transport. Contemporary transport technologies in road traffic.

4. Teaching methods:

Lectures. Practice. Consultations. The examination is written and oral. The written part is eliminatory. Obligatory annual paper, and completed laboratory and computer practice.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	40.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Pavle Gladović	Tehnologija drumskog saobraćaja	Fakultet tehničkih nauka Novi Sad	2004
2,	S. Glumac, S. Žeželj, P Gladović, S. Nijemčević	Projektovanje, proizvodnja i eksploatacija autobusa	Ikarbus AD, Beograd	2002
3,	Pavle Gladović	Zbirka rešenih zadataka iz tehnologije drumskog transporta	PC Program, Beograd	2000

Table 5.2 Course specification

Course:		Technology of postal traffic
Course id:	S0I323	
Number of ECTS:	6	
Teacher:		Kujačić D. Momčilo
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Students acquire basic knowledge of the postal traffic, features, technological processes and services in postal traffic.

2. Educational outcomes (acquired knowledge):

Knowledge of the basic process of transferring postal items technological phases and characteristics of postal services and traffic.

3. Course content/structure:

Concept, importance and development of postal traffic, postal networks: concept and structure of the postal network, a division of the postal network; Postal traffic as a system: organization and operation systems, technological processes, ; collection, outward sorting, trunking (or transportation), inward sorting, local distribution and delivery. Postal traffic as a complex system: character of the work process, postal traffic as space transportation complex system; Postal services: market and classification of postal services, features, special tasks in the provision of services; terms of organization and functioning of the postal traffic.

4. Teaching methods:

Lectures. Practice. Consultation. The examination is written and oral. The written part of the exam is eliminatory. Mandatory essay.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Homework	Yes	30.00			
Homework	Yes	30.00			
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Kujačić M.	Poštanski saobraćaj	FTN izdavaštvo Novi Sad	2005
2,	Kujačić M	Osnovi poštanskog saobraćaja	FTN izdavaštvo Novi Sad	2009
3,	Kujačić M	Poštanske usluge i mreža	FTN izdavaštvo Novi sad	2010

Table 5.2 Course specification

Course:		System of Public Transportation of Goods
Course id:	S0I593	
Number of ECTS:	6	
Teacher:		Gladović V. Pavle
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To acquire knowledge in the business of transportation companies and their basic subsystems – production exploitation subsystem, whose main objective is to maximize the transport work range with the minimum expenses and the engagement of means of transportation, and technical exploitation subsystem, whose main objective is to provide a demanded number of available means of transportation with the minimal costs of purchase, maintenance and repair.

2. Educational outcomes (acquired knowledge):

The possibility for maximizing the transport work range with the minimum expenses and engagement of means of transportation. Observing the possibility for developing the transport system that will be able to efficiently satisfy the demands for transport on the high quality level with the minimum negative environmental influence. Possibility for increasing the working efficiency within the transportation company.

3. Course content/structure:

Transportation company – road traffic system. Functioning of the transport company system. Managing the transport company system. Functional properties of the freight automobile transport system. Criteria for exploitation facilities of freight vehicles. Automobile productivity. Functional optimization of freight vehicle exploitation. Interdependency of exploitation and technical parameters in the transport process. Methods for technical optimizations of the transport process. Economic optimization of the freight vehicle exploitation.

4. Teaching methods:

Lectures and practice, partial examinations and examination.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Pavle Gladović	Tehnologija drumskog saobraćaja	Fakultet tehničkih nauka Novi Sad	2006
2,	Pavle Gladović, Milan Simeunović	Sistemi javnog autotransporta robe	Fakultet tehničkih nauka Novi Sad	2004
3,	M.Marković	Optimizacija prevoznog procesa u automobilskom transportu	Saobraćajni fakultet Beograd	2003

Table 5.2 Course specification

Course:		Intermodal Transport Technology
Course id:	S0330	
Number of ECTS:	6	
Teacher:		Stojanović M. Đurđica
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire basic knowledge on the intermodal transport technologies and the freight manipulation unit system.

2. Educational outcomes (acquired knowledge):

Possibility for comparative analysis on the existing transport technologies in designing and realizing intermodal transport.

3. Course content/structure:

Place and role of the intermodal transport technology as a complex freight transport system. Intermodal transport and systematic approach to freight transport management in intermodal transport realization. Systems for enlarging the transport and manipulation units and the formation of freight units in the transportation and distribution system. Classical transport technologies. Container transport technologies. Road – railway transport technologies ("vehicle – vehicle" technologies). Road – water transport technologies. Freight transport centres as logistic centres.

4. Teaching methods:

Lectures, auditory and computing practice. During the course, students should complete seminar papers which analyse practical problems related to intermodal transport. On passing the partial examination, students are not obligated to take a part of the final examination.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Risto Perišić	SAVREMENE TEHNOLOGIJE TRANSPORTA I	Saobraćajni fakultet Beograd	1995
2,	Risto Perišić	SAVREMENE TEHNOLOGIJE TRANSPORTA II	Saobraćajni Fakultet Beograd	1995
3,	Slobodan Vukićević	Skladišta	Univerzitet u Beogradu, Preving Beograd	1995
4,	Slobodan Zečević	Robni terminali i robno-transportni centri	Saobraćajni fakultet, Beograd	2006
5,	Huub Vrenken, Cathy Macharis, Peter Wolters	Intermodal Transport in Europe	EIA Brussels, Belgium	2005
6,	Branislav Božović	Lučki kontenerski terminali	Libertas, Bijelo Polje	1997
7,	Risto Perišić	Sistem kvaliteta usluga-logistika i informatika	Institut tehničkih nauka SANU Beograd	2002
8,	Stojanović, Đ., Maslarić, M., Nikoličić, S.	Using the European Intermodal Transport E-marketplace - The Serbian Perspective	"Strategijski menadžment" Ekonomski fakultet, Subotica ISSN: 0354-8414.	2008
9,	Maslarić, M., Stojanović, Đ., Nikoličić, S.	Serbian intermodal transport system	Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics ISSN: 1224-6077	2008

Table 5.2 Course specification

Course:	Traffic Safety and Control Methods
Course id: S0438	
Number of ECTS: 4	
Teacher:	Kostić I. Svetozar
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge in the field of forensic engineering, safety methods and traffic control. Enabling students to perform expertise investigations in traffic accidents. Acquiring knowledge on technical devices for expertise in traffic accidents, traffic control and investigation on the technical requirements for a vehicle.

2. Educational outcomes (acquired knowledge):

Mastering the methods and procedures in expertise investigations in traffic accidents. Application of the acquired knowledge in the creation of expertise documentation, making the accident sketch and photo-elaborate. Application of contemporary technical equipment and applicative software in the procedure for investigating the traffic accident. Introduction to and mastering the application of contemporary means for traffic control and investigation on the technical requirements for a vehicle.

3. Course content/structure:

Notion, subject and significance of traffic safety and control methods. Investigation and expertise in traffic accidents – notion and significance, expertise documentation. Reconstruction of traffic accidents. Analysis on movement and stopping process of the vehicles. Actions and processes in traffic. Defining relevant parameters driver – vehicle – road. Technical devices for traffic control and regulation. Traffic control methods. Means for controlling the technical requirements for a vehicle.

4. Teaching methods:

Lectures, auditory, computing and laboratory practice. At the course, the critical analysis on real accidents is an obligatory part of teaching in order for students to acquire knowledge in defining the causes of accidents.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	40.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Kostić, S.	Tehnika bezbednosti i kontrole saobraćaja	FTN	2005
2,	Svetozar Kostić	Saobraćajna tehnika 1	Fakultet tehničkih nauka	1994
3,	Krsto Lipovac i dr	Uviđaj saobraćajnih nezgoda i fotografisanje	Viša škola unutrašnjih poslova, Zemun	1997
4,	Svetozar Kostić	Brzina kao faktor bezbednosti saobraćaja	Fakultet tehničkih nauka	1994
5,	Zbornik radova	Zbornik radova, III-Jugoslovensko savetovanje o saobraćajno-tehničkom veštačenju saobraćajnih nezgoda na putevima	Saobraćajni fakultet univerziteta u Beogradu	1989
6,	Mirko T. Bojović	Izrada skica i crtanje situacionih planova lica mesta saobraćajnih nezgoda	Viša škola unutrašnjih poslova Beograd	1973
7,	dr Vladan Vasiljević, Predrag Gavrilović, Vlado Vodinelić	Priručnik za vršenje uviđaja kod saobraćajnih nezgoda na putevima	Institut za kriminološka i kriminalistička istraživanja BG	1970
8,	dr Lajčo Klajn	Krivična odgovornost i saobraćajne nesreće na drumovima II prerađeno i dopunjeno izdanje	Savremena administracija Beograd	1970
9,	dr Radoslav Dragač, dr Milan Vujanić, dr Svetozar Kostić	Saobraćajno tehničko veštačenje "Osnovni pojmovi, definicije i merne jedinice"	Društvo inženjera i tehničara Srbije Beograd	1996
10,	dr Vlastimir V. Dedović, mr Dušan Mladenović	Dinamika vozila	Saobraćajni fakultet Beograd	1999
11,	dr Dragoljub Šotra	Praktikum "Određivanje karakterističnih brzina pri veštačenju saobraćajnih nezgoda"	Dunav osiguranje Beograd	1998
12,	Miroslav Popović	Primena uređaja u operativnoj kontroli saobraćaja	Viša škola unutrašnjih poslova Beograd	1994

Table 5.2 Course specification

Course:		Traffic Flow Theory
Course id:	S0432	
Number of ECTS:	5	
Teachers:		Bogdanović Z. Vuk, Simeunović M. Milan
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring fundamental knowledge on the traffic flow, its characteristics, basic indicators of traffic flow and procedures for their measurement and calculations, regularities and relations occurring in a traffic flow and the procedures for the analysis. Calculating a model for dependency presentations between fundamental parameters of a traffic flow in dependence on technical and exploitation road characteristics. Educational objective is also to obtain basic knowledge necessary for investigating the conditions of traffic flows in a road and street network in the fields of planning, managing and designing the traffic infrastructure.

2. Educational outcomes (acquired knowledge):

Application of acquired knowledge for analysing traffic flow on roads, intersections and road facilities depending on their technical and exploitation characteristics, i.e. defining specificities of a traffic flow and determining characteristic parameters necessary for evaluating traffic flow conditions. Application of the acquired knowledge in the traffic flow theory is other areas dealing with the problems in planning and constructing traffic infrastructure, as well as traffic management in the road and street networks.

3. Course content/structure:

Movement of individual vehicles, basic parameters of a traffic flow, vehicle flow, density of a traffic flow, velocity of a traffic flow, travelling time, unit travel time, vehicle space mean intervals, Significant characteristics of a traffic flow, complexity of a traffic flow, general conditions of a traffic regime, content and structure of a traffic flow, non-uniform vehicle flow, relations between basic parameters in a traffic flow, empirical models of interdependency of the basic parameters in a traffic flow, mathematical models for describing the traffic flow, movement of an organized group of vehicles.

4. Teaching methods:

Lectures, auditory and computing practice. At practice, students will analyze parameters of a traffic flow in real conditions. Practical – computing part of the course can be passed by taking the partial examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	40.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	30.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Ljubiša Kuzović, Vuk Bogdanović	Teorija saobraćajnog toka	Fakultet tehničkih nauka	2004
2,	Transportation Research Board	Highway Capacity Manual 2000	National Research Council, Washington , D.C.	2000
3,	Vladan Tubić	Zbirka rešenih zadataka iz kapaciteta i nivoa usluge drumskih saobraćajnica	Saobraćajni fakultet, Beograd	2000
4,	Highway research board "Special Report 87"	Highway capacity manual 1965	Division of Eng. and industrial Research NAS-NRC	1965
5,	Donald R. Drew	Traffic flow theory and control	McGraw-Hill book company New York, St. Louis, San Francisco,	1968
6,	Ljubiša Kuzović	Kapacitet i nivo usluge drumskih saobraćajnica	Saobraćajni fakultet, Beograd	2000
7,	Ljubiša Kuzović	Utvrđivanje potreba i opravdanosti izdvajanja tranzitnog saobraćaja sa gradskih arterija izgradnjom obilaznica	Saobraćajni fakultet, Beograd	1997
8,	Ljubiša Kuzović, Dražen Topolnik	Kapacitet drumskih saobraćajnica	Građevinska knjiga, Beograd	1989
9,	Ljubiša Kuzović	Kapacitet i nivo usluge deonica puteva	Saobraćajni fakultet, Beograd	1989

Table 5.2 Course specification

Course:		Company Logistics
Course id:	S0221	
Number of ECTS:	5	
Teacher:		Nikoličić S. Svetlana
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire basic knowledge about logistics significance in non-transport enterprises, as well as different logistics strategies and concepts that are reflected on the material goods flow and their transformation in time and space.

2. Educational outcomes (acquired knowledge):

By the end of the course the student will be able to: recognize and define the role and place of logistics in the company; define the structure of logistics system and processes in enterprise according to material goods requirements; identify, describe and quantifie logistics processes; estimate basics performances of logistics processes and systems; to carry out critical analysis of different alternative solutions for logistics processes realizations; make the right approach to organizing, managing and controling material goods and information that associate with them.

3. Course content/structure:

Enterprise logistics goals and assignments. Logistics enterprise system. Logistics strategy and company concepts. Supply chain logistics. Production logistics. Distribution logistics. Reverse logistics. Information flows in logistics system. Logistics performances and controlling. Organizational features of logistics functions in enterprise.

4. Teaching methods:

Lectures, exercises, consultations, debates. This course is designed tour companies with prominent logistics processes and seminar paper. Knowledge testing : parcial test taking (colloquium 1 and colloquium 2) or intire exam at once.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	No	0.00
Lecture attendance	Yes	5.00	Final exam - part two	No	0.00
Term paper	Yes	20.00	Written part of the exam - tasks and theory	Yes	70.00

Literature

Ord.	Author	Title	Publisher	Year
1,	David J. Bloomberg, Stephen B. LeMay, Joe B.Hanna	Logistika	Pearson Education Inc Zagreb	2006
2,	Dr Vladeta Gajić	Logistika preduzeća, skripte sa predavanja	FTN	2002
3,	Milosav Georgijević	Tehnička logistika	Zadužbina Andrejević	2011
4,	Milorad Kilibarda, Slobodan Zečević	Upravljanje kvalitetom u logistici	Univerzitet u Beogradu, Saobraćajni fakultet	2008

Table 5.2 Course specification

Course:		Organization of Railway Transport
Course id:	S0328	
Number of ECTS:	5	
Teacher:		Stojić S. Gordan
Course status:		Elective

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

Precondition courses

1. Educational goal:

Introducing of technical means, modes and methods of passenger and freight traffic organization by railways.

2. Educational outcomes (acquired knowledge):

Qualifying students with necessary skills regarding take over and recording of all necessary activities for organizing modern, fast, effective and rational passenger and freight traffic by railways.

3. Course content/structure:

Railway transport – as part of transport chain. Organizing railway market. Railway stations and sidings. Type of trains. Technological-operating characteristics of railway wagons. Use of passenger and freight wagons. Passenger traffic organisation. Freight traffic organisation. Railway tariffs. Indicators of railway transport operation. Loading freight wagons. Block train transport. Dangerous goods transport-RID. Individual consignment transport. Modern trends of railway transport. Service quality in railway transport. Marketing of freight transport and commercial operation. European freight traffic information system.

4. Teaching methods:

Lectures, exercises, consultations

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Mirko Čičak, Slavko Vesković	Organizacija železničkog saobraćaja II	Univerzitet u Beogradu, Saobraćajni fakultet	2005
2,	Mirko Čičak, Slavko Vesković	Organizacija železničkog saobraćaja II, zbirka rešenih zadataka	Univerzitet u Beogradu, Saobraćajni fakultet	1999
3,	Mirko Čičak	Modeliranje u železničkom saobraćaju	Univerzitet u Beogradu, Saobraćajni fakultet	2003
4,	Sreten Glibetić	Organizacija prevoza robe na železnici	ŽELNID	1999
5,	ŽS	Tarife za prevoz robe železnicom	Železnice Srbije	2010

Table 5.2 Course specification

Course:		Road Vehicles
Course id:	S0I361	
Number of ECTS:	6	
Teacher:		Časnji F. Ferenc
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Acquisition of basic knowledge about vehicles' design features and their impact on exploitation and motion on the hard surfaces

2. Educational outcomes (acquired knowledge):

Students' ability for routine application of gained knowledge and skills from the field of the road vehicles, as well as to percieve their position within the team, and to continue with professiona education

3. Course content/structure:

Definition, clasification and morfology of vehicles. Mechanical parts of vehicles: main clutch, gearbox, joints, driving axle (final drive, differential gear, axle shafts), transfer gearbox, carrying frame, tires, wheel suspension, steering system, brake system and body. Mechanics of wheel with tire: basic concepts, rolling resistance, longitudinal slip, adhesion for driving and braking wheel, longitudinal forces and slip angle, aquaplaning, stiffness characteristics. Tractive performance characteristics of vehicles: equations of motion, aerodynamic drag, powertrain characteristics impact on vehicle tractive performance characteristics, acceleration, braking, fuel consumption and vehicle exploitation. Vehicle stability, oversteer and understeer

4. Teaching methods:

Lectures, laboratory practice, computing 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	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Janković D.	Motorna vozila - teorija i konstrukcija	Mašinski fakultet, Beograd	1993
2,	Milidrag S., Popović Z., Muždeka S.	Drumska motorna vozila	FTN Novi Sad	2002
3,	Klinar I:	Tehnička eksploatacija mašina	FTN Novi Sad	2006

Table 5.2 Course specification

Course:		Urban-Suburban Rail Transport of Passengers
Course id:	S0I5N2	
Number of ECTS:	5	
Teachers:		Stojić S. Gordan, Tepić Đ. Jovan
Course status:		Elective

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

Precondition courses

1. Educational goal:

Introducing of technical means, modes and methods of passenger and urban-suburban railway traffic organization.

2. Educational outcomes (acquired knowledge):

Qualifying students with necessary skills regarding take over and recording of all necessary activities for organizing modern, fast, effective and rational passenger and urban-suburban railway traffic.

3. Course content/structure:

Factors that influence the traffic volume of urban and suburban trains. General characteristics and basic principles of urban-suburban passenger traffic. Regulating of urban-suburban traffic volume. Establish motor units turn over. Establish passenger wagons fleet. Basic indicators in passenger traffic. Time of train delay in stations. Estimation for necessary number of trains. Changing urban-suburban routes stations. Definition of zone numbers for urban-suburban routes (relations, lines). Train traction in urban-suburban traffic. Optimization of weight and average technical speed of suburban trains. Time table capacity for urban and suburban trains. Basic technology operations in passenger stations. Operation technology of multiple units and wagons in passenger technical stations. Operation technology in suburban trains. Urban-suburban tracking systems. Integrated passenger traffic system. Park and ride, Bike and ride, Kiss and ride tehnology.

4. Teaching methods:

Lectures, exercises, consultations. Making project of organizations city-suburban railway traffic on a specific example.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	40.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Mirko Čičak, Slavko Vesković	Organizacija železničkog saobraćaja II	Univerzitet u Beogradu, Saobraćajni fakultet	2005
2,	Mirko Čičak, Slavko Vesković	Organizacija železničkog saobraćaja II, zbirka rešenih zadataka	Univerzitet u Beogradu, Saobraćajni fakultet	1999
3,	Mirko Čičak	Modeliranje u železničkom saobraćaju	Univerzitet u Beogradu, Saobraćajni fakultet	2003

Table 5.2 Course specification

Course:		Towing vehicles and trains
Course id:	S0I7Ž	
Number of ECTS:	5	
Teacher:		Tepić Đ. Jovan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Introduce students to the basic elements of technical vehicles and towing, analyze their impact on the balance of the output characteristics, and exploring the possibilities of modern rolling stock.

2. Educational outcomes (acquired knowledge):

Understanding the impact of technical parameters of rolling stock and traction in terms of applied technology and choices of some of the technical availability of technology park railway vehicle traction.

3. Course content/structure:

History and development of rail vehicles. Classification and labeling of rail vehicles. Steam power vehicles. Diesel power vehicles. An electrical power vehicles. Turbomotorne locomotives. Maglev. Rail drawn vehicles (freight and passenger cars). Elements of towing and towed vehicles. Diesel engine and power transmission. Bogie, classification, suspension system, school records, box cars, repulsive hauling equipment, automatic clutch. Brakes rail vehicles. Railway equipment and electrical circuits, heating, air conditioning, composition and corrosion protection. Railway cars for high speed. Maintenance of rolling stock. Theoretical basis of trains, differential equations of motion of the train. Pulling force, resistance force, braking force, and a diagram of train traction calculation. Methods traction budget. Energy consumption for traction. Towing high speed trains. Reliability and testing of railway vehicles.

4. Teaching methods:

Lectures, practical, graphic and laboratory exercises. Consultation on design seminar.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	40.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Tepić, J.	Šinska vozila	FTN Izdavaštvo, Novi Sad	2007
2,	Tepić, J.	Vuča vozova	FTN Izdavaštvo, Novi Sad	2008
3,	Tepić, J.	Zbirka rešenih zadataka iz šinskih vozila i vuče vozova	FTN Izdavaštvo, Novi Sad	2008

Table 5.2 Course specification

Course:		Maintenance and availability of means of transport
Course id:	S0I5N3	
Number of ECTS:	6	
Teacher:		Tepić Đ. Jovan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Gaining knowledge of the planning, execution, control, technique, methods of organization and maintenance of the vehicles.

2. Educational outcomes (acquired knowledge):

Capability for self-organization and creative activities in the process of maintaining the vehicles. Using methods and techniques in the planning and implementation of maintenance. Determining the cost and quality of maintenance. Assessment of the availability of means of transport.

3. Course content/structure:

Definition of terms used in the maintenance and operation of the vehicle. Significance and maintenance functions. Theoretical basis for maintenance. Norms and standards of maintenance. Types of maintenance. Types of failures. Temporal aspects of maintenance. Maintenance technology. Terotechnology. Planned maintenance. Maintenance methods. Applying the concept of Total Production Maintenance (TPM) for maintenance. Maintenance costs. Functionality, technology, maintenance of exploitability. Availability, reliability, and ability to maintain effectiveness. Maintenance strategies. Information systems maintenance.

4. Teaching methods:

lectures, practical, graphic and laboratory exercises. Consultation on design seminar.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Tepić, J.	Šinska vozila	FTN Izdavaštvo Novi Sad	2007
2,	Tepić, J.	Vuča vozova	FTN Izdavaštvo Novi Sad	2008
3,	Bunčić, S.	Tehnička eksploatacija motornih vozila	Saobraćajni fakultet, Beograd	2000
4,	Čala, I.	Održavanje opreme	Školska knjiga, Zagreb	2008
5,	Majdandžić, N.	Strategije održavanja i informacijski sustavi održavanja	Strojarski fakultet, Slavonski Brod	1999
6,	Papić, V.	Uvod u tehnologiju održavanja transportnih sredstava	Saobraćajni fakultet, Beograd	1995

Table 5.2 Course specification

Course:	Traffic Accidents Expertise
Course id: S0433	
Number of ECTS: 6	
Teachers:	Kostić I. Svetozar, Papić M. Zoran
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring basic engineering knowledge in the field of traffic accident expertise. Mastering the procedures and methods for performing expertise and reconstruction of traffic accidents.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge in the field of traffic accident expertise necessary for individual work. Knowledge application in procedures for defining the places of accidents and the speed of participants in characteristic positions. Understanding the meaning of the time-space analysis in the situation of a traffic accident. Providing reports and opinions. Introduction to and mastering the basis of contemporary software tools intended for expertise and reconstruction of traffic accidents.

3. Course content/structure:

Notion, subject and significance of traffic accidents expertise. Analysis on the process of motion and stopping of motor vehicles. Adopting important parameters for traffic accident analysis. Determining the place of collision and the direction of movement of accident participants. Determining the speed of traffic accident participants. Expertise on characteristic types of traffic accidents. Time-space analysis on the accident. Methods for elaborating a report on the traffic accident expertise – form and content of the report and expert opinion. Evaluation on the damage on motor vehicles. Computer application in traffic accident analyses and expertise.

4. Teaching methods:

Lectures, computing and numerical–computer practice and consultations. During the course, students should take the partial examination as a prerequisite for taking the written part of the examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	4.00	Oral part of the exam	Yes	30.00
Laboratory exercise attendance	Yes	4.00			
Lecture attendance	Yes	2.00			
Practical part of the exam - tasks	Yes	40.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Kostić, S.	Tehnika bezbednosti i kontrole saobraćaja	Fakultet tehničkih nauka	2005
2,	Vujanić, M.	Zbirka rešenih zadataka iz bezbednosti saobraćaja- I deo	Saobraćajni fakultet, Beograd	1991
3,	Kostić, S.	Brzina kao faktor bezbednosti drumskog saobraćaja	FTN Novi Sad	1994
4,	Vujanić, M. i dr.	Priručnik za saobraćajno tehničko veštačenje i procjene šteta na vozilima	Modul Banja Luka	2000
5,	Rotim, F.	Elementi sigurnosti cestovnog prometa, svezak 1 Ekspertize prometnih nezgoda	Znanstveni savjet za promet JAZU Zagreb	1989
6,	Beočanin, M.	Tablice za saobraćajno-tehničko veštačenje	Društvo inženjera i tehničara saobraćaja i veza Beograd	1991
7,	Lipovac, K	Uviđaj saobraćajnih nezgoda - izrada skica i situacionih planova	VŠUP, Zemun	1994
8,	Kostić, S.	Ekspertize saobraćajnih nezgoda	FTN, Novi Sad	2009
9,	Šotra, D.	Štetni događaji u saobraćaju	AMS Osiguranje, Beograd	2010

Table 5.2 Course specification

Course:		Traffic Regulation and Control
Course id:	S0434	
Number of ECTS:	6	
Teacher:		Bogdanović Z. Vuk
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge in traffic signalization, traffic equipment, and methodical procedures and measures applied in traffic regulation engineering. Acquiring knowledge in multidisciplinarity and complexity of traffic regulation processes, normative acts, regulation books and other conditions which need to be fulfilled when performing and applying regulation measures in practice. Acquiring practical knowledge in the procedures utilized in the traffic regulation engineering in dependence on the functional properties of road and street network, traffic safety, flow demands and service level design.

2. Educational outcomes (acquired knowledge):

Enabling students in the application of acquired knowledge in solving specific problems related to traffic regulation in road and street networks. Students are able, following the normative acts and procedures, to apply different measures and technical solutions to create conditions for safer traffic flow, traffic regime changes and the improvement of traffic flow conditions and service level.

3. Course content/structure:

Introduction to traffic regulation. Historical development and normative acts. Traffic signalization and equipment. Horizontal signalization. Vertical signalization. Light signalization. Traffic control in road and street network. Signalization and equipment for traffic control in road and street network. Road equipment. Techniques for traffic regulation in street and road network. Traffic regulation on non-urban road segments. Traffic regulation on cross-sections and intersections. Traffic control with light signalization. Signal plan elements. Traffic regulation using traffic lights at intersections.

4. Teaching methods:

Lectures, auditory and computing practice. At the course, students should complete a seminar paper in order to apply the acquired knowledge in solving practical problems. On passing two partial examinations, students will not need to take the practical - computing part of the examination.

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	35.00
Lecture attendance	Yes	5.00			
Practical part of the exam - tasks	Yes	35.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Tihomir Đorđević	Regulisanje saobraćajnih tokova	Institut za puteve, Beograd	1997
2,	Mihajlo Maletin	Planiranje i projektovanje saobraćajnica u gradovima	Orion, Beograd	2005
3,	Branimir Stanić, Predrag S. Zdravković i drugi	Elementi saobraćajnog projektovanja "Horizontalna signalizacija" II dopunjeno izdanje	Saobraćajni fakultet Beograd	1997
4,	Milošević Staniša	Percepcija saobraćajnih znakova	Saobraćajni fakultet Beograd	2005

Table 5.2 Course specification

Course:		Parking and Public Parking Garages			
Course id:	S0435				
Number of ECTS:	3				
Teachers:		Kostić I. Svetozar, Papić M. Zoran			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			

1. Educational goal:

To acquire knowledge on parking characteristics and the influence on the transport system, parking space organization, and parking and public garage design.

2. Educational outcomes (acquired knowledge):

Understanding the problems related to vehicle parking in urban areas and its influence on the transport system. Determining the parking demands. Enabling students for individual work in the domain of organizing and designing the parking space. Elaborating plans for optimal parking organization for passenger and cargo vehicles.

3. Course content/structure:

Notion and importance of parking in urban agglomerations. Parking properties. Area for vehicle parking. Determining the parking demands. Modes for solving the parking problems – parking regime, tariff policy, time-limited parking. On-street and off-street parking. Public parking garages – role and significance. Capacity and location of public garages. Calculations and computer-aided garage design. Types of public parking garages and their exploitation.

4. Teaching methods:

Lectures, auditory and graphic practice. During the course, students should complete several graphic papers in the field of passenger and cargo vehicle parking, as well as to elaborate a group work based on monitoring the parking properties on the parking places in the central city zone.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Putnik, N.	Autobaze i autostanice	Saobraćajni fakultet Beograd	1991
2,	Tomić, M.	Parkiranje i parkirališta	Saobraćajni fakultet Beograd	1995
3,	Milosavljević, N.	Elementi za tehnološko projektovanje objekata u drumskom saobraćaju i transportu	Saobraćajni fakultet Beograd	2003
4,	Kostić, S.	Parkiranje i javne garaže	FTN, Novi Sad	2012

Table 5.2 Course specification

Course:	Urban Public Transport
Course id: S0436	
Number of ECTS: 6	
Teacher:	Simeunović M. Milan
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Mastering theoretical and practical knowledge related to urban passenger transport, mobility, travelling characteristics, and the quality of transport service.

2. Educational outcomes (acquired knowledge):

Enabling students for individual work in order to practically define the generator of transport demands, the quality normative for transport service, and the elaboration of technical documentation related to urban passenger transport.

3. Course content/structure:

Introduction. Generators of population mobility. Potential mobility and limitations. Methods for researching the travelling properties. Defining quality properties for transport services. Organizational service support. Service usability. Service availability. Service stability. Production ability of the system. Reliability of technical exploitation. Forecasting transport demands. Generating travel by zones. Spatial distribution of travelling. Mode classification of travelling. Evaluation methods and modes in subsystem selection. Demands of behaviouristic factors in transport service quality according to public transport system quality.

4. Teaching methods:

Lectures, auditory, computer and graphical – numerical practice and consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	4.00	Oral part of the exam	Yes	40.00
Laboratory exercise attendance	Yes	4.00	Practical part of the exam - tasks	Yes	30.00
Lecture attendance	Yes	2.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	R. Banković	Organizacija i tehnologija javnog gradskog putničkog prevoza	Saobraćajni fakultet Beograd	1994
2,	Vukan Vučić	Transportation for livable cities	The State University of New Jersey	1999
3,	Pavle Gladović	Tarifna politika u javnom gradskom putničkom prevozu	Izdavačko preduzeće PC Program d.o.o. Beograd	1995
4,	Vukan R. Vučić	Javni gradski prevoz, Sistemi i tehnika	IRO Naučna knjiga, Beograd	1987

Table 5.2 Course specification

Course:	Road Capacity
Course id: S0439	
Number of ECTS: 4	
Teacher:	Bogdanović Z. Vuk
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge on the practical capacity (flow ability) of all functional segments in the road networks and methods for its determination. Acquiring knowledge on the capacity analysis procedures and determining the flow volume in higher service levels, as well as the modes for dimensioning elements and functional network segments in accordance with the flow demands. Within the course, contemporary engineering procedures and software tools used in the capacity analysis procedures will be presented.

2. Educational outcomes (acquired knowledge):

3. Course content/structure:

Introduction to the calculations of capacity and service level, highway capacity and service level, two-lane road capacity and service level, multi-lane road capacity and service level, one-direction crossroad capacity and service level, priority intersection capacity and service level, roundabout capacity and service level, signalized intersection capacity and service level, pedestrian and bicycle path capacity and service level.

4. Teaching methods:

Lectures, auditory and computing practice. During the course, students can take two partial examinations instead of practical – numerical part of the examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	3.00	Oral part of the exam	Yes	40.00
Laboratory exercise attendance	Yes	3.00	Practical part of the exam - tasks	Yes	30.00
Lecture attendance	Yes	4.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Kuzović Ljubiša	Kapacitet i nivo usluge drumskih saobraćajnica	Saobraćajni fakultet Beograd	2000
2,	Transportation Research Board	Highway Capacity Manual 2000	Nationaln Research Council, Washington , D.C.	2000
3,	Tihomir Đorđević, Vuk Bogdanović	Kapacitet putnih i uličnih ukrštanja prioritetne raskrsnice	Fakultet tehničkih nauka Novi Sad	2002
4,	Kuzović Ljubiša	Kapacitet drumskih saobraćajnica	Saobraćajni fakultet Beograd	1979
5,	Kuzović Ljubiša, Topolnik Dražen	Kapacite drumskih saobraćajnica	Građevinska knjiga Beograd	1989
6,	Highway research board "Special Report 87"	Highway capacity manual 1965	Division of Engineering and industrial Research	1965
7,	Dragan Mitić, dr Smiljan Vukanović	Kružne raskrsnice	Saobraćajni fakultet Beograd	1994
8,	mr Vladan Tubić	Zbirka rešenih zadataka iz kapaciteta i nivoa usluge drumskih saobraćajnica	Saobraćajni fakultet Beograd	2000
9,	Donald R. Drew	Traffic flow control	McGraw-Hill book company New York	1968
10,	dr Ljubiša Kuzović	Utvrđivanje potreba i opravdanosti izdvajanja tranzitnog saobraćaja sa gradskih arterija izgradnjom obilaznica	Saobraćajni fakultet Beograd	1997
11,	dr Ljubiša Kuzović	Kapacitet i nivo usluge deonica puteva	Saobraćajni fakultet Beograd	1989

Table 5.2 Course specification

Course:		English Language in Traffic and Transport
Course id:	EJSIT	
Number of ECTS:	2	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta
Course status:		Elective

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

Precondition courses

1. Educational goal:

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

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

Processing contemporary professional texts in the English language related to diverse aspects in the field of traffic engineering. Developing strategies for understanding a professional text, such as: skimming, scanning, comparing sources, using context, using background knowledge etc. Mastering the most used terms related to profession. Adopting language functions, such as: comparison, classification, expressing purpose or function, describing components, causal relations, etc. Most common prefixes, suffixes, compounds and collocations. Passive, participles. Reduced relative classes (active and passive), reduced time clauses (active and passive).

4. Teaching methods:

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

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Dr Gordana Dimković Telebaković	English in Transport and Traffic Engineering	Univerzitet u Beogradu, Saobraćajni fakultet	2004
2,	Glendinning and Mc Ewan	Oxford English in Electronics	OUP	1993
3,	grupa autora	Oxford English Serbian Dictionary	OUP	2006
4,	Popić i dr.	Naučno tehnički rečnik	Privredni pregled	1989
5,	Ana Fišer Popović i dr.	Road Traffic Engineering	Savremena administracija	1992

Table 5.2 Course specification

Course:		German Language for Engineers 1
Course id:	NJT1	
Number of ECTS:	2	
Teacher:		Berić B. Andrijana
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Acquiring professional terminology related to traffic and transport, improvement of language competency in relation to professional topics, and acquiring complex language structures.

2. Educational outcomes (acquired knowledge):

Students are familiar with professional terminology, they can understand texts related to the profession and have conversations on topics related to their future profession.

3. Course content/structure:

Practical part of classes: acquiring professional terminology through contemporary texts. Theoretical part: verbs, participles I and II, reflexive usage of verbs, modal sentences, comparison of adjectives.

4. Teaching methods:

The main accent is on communicative method, and students` participation during the classes. During communication interaction is very important.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	E.Zettl, J. Janssen, H. Müller	Aus moderner Technik und Naturwissenschaft (Lektion 1-Lektion 4)	Hueber Verlag	1999

Table 5.2 Course specification

Course:	Traffic Terminal Servers
Course id: S0440	
Number of ECTS: 3	
Teachers:	Kostić I. Svetozar, Papić M. Zoran
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

To acquire knowledge related to the role, importance and characteristics of road traffic terminals: bus stations, automotive freight stations, service stations and petrol stations. To acquire knowledge in designing principles and the content of road traffic terminals.

2. Educational outcomes (acquired knowledge):

Enabling students for technical and technological organization of traffic terminals. Application of acquired knowledge for the elaboration of brief and technological projects for road traffic terminals intended to passenger and cargo transport, vehicle service stations and petrol stations.

3. Course content/structure:

Significance and role of traffic terminals. Service stations – basic properties and distribution principles. Types and properties of automotive terminals. Criteria for the automotive base facility distribution, planning, calculations and brief and computer-aided design. Bus stations and their definitions. Determining adequate volumes and capacities for a bus station. Planning and technological design for a bus station. Work organization and functioning of a bus station. Petrol stations. Automotive freight stations. Motels.

4. Teaching methods:

Lectures, graphic and auditory practice and consultations. During the course, students should elaborate an individual graphic paper in the form of a brief and technological design for a bus station, as well as to elaborate a group work based on monitoring the vehicle flow at a certain traffic terminal in the city.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Graphic paper	Yes	20.00	Practical part of the exam - tasks	Yes	40.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Putnik, N.	Autobaze i autostanice	Saobraćajni fakultet Beograd	1991
2,	Tomić, M.	Parkiranje i parkirališta	Saobraćajni fakultet Beograd	1997
3,	Milosavljević, N	Elementi za tehnološko projektovanje objekata u drumskom saobraćaju i transportu	Saobraćajni fakultet Beograd	2003
4,	Kostić, S	Saobraćajni terminali	FTN, Novi Sad	2012

Table 5.2 Course specification

Course:		Urban Public Transport Technology
Course id:	S0441	
Number of ECTS:	4	
Teacher:		Simeunović M. Milan
Course status:		Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Mastering the theoretical and practical knowledge related to the organization and technology of public passenger transport.

2. Educational outcomes (acquired knowledge):

Enabling students for individual work in transport companies, as well as in the area of designing related to the organization and technology of public passenger transport.

3. Course content/structure:

Fundamental notions and the structure of the public passenger transport system, static and dynamic line elements. Defining transport demands on lines and the modes for determining proper factors in the passenger flow. Irregularities in the passenger flow, defining the peak hour, irregular flow factor in the peak hour. Capacity coefficient on a characteristic line segment. Manners for determining necessary transport capacities based on adequate flow values. Interval and frequency. Transport ability and transport power. Usability of transport capacity. Determining necessary transport capacities based on the expenses model. Manners for designing a timetable. Tariff system and billing system. Criteria for setting and measuring the quality of the network lines. Influence of the public transport system quality on the transport service quality.

4. Teaching methods:

Lectures, computing practice, graphic practice and consultations. Course content is divided into units, and students have the obligation to elaborate two seminar papers. Examination is in written and oral form.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	35.00
Graphic paper	Yes	20.00	Practical part of the exam - tasks	Yes	35.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	R. Banković	Organizacija i tehnologija javnog gradskog putničkog prevoza	Saobraćajni fakultet Beograd	1994
2,	V. Vučić	Javni gradski prevoz	Naučna knjiga Beograd	1987
3,	Pavle Gladović	Tarifna politika u javnom gradskom putničkom prevozu	Izdavačko preduzeće PC Program d.o.o. Beograd	1995
4,	Vukan Vučić	Urban transit systems and tehnology	John Wiley & Sons, Inc. Hoboken, New Jersey	2007
5,	Vukan R. Vuchic	Transportation for Livable Cities	The state University of New Jersey	1999
6,	Milomir Veselinović	Praktikum sa zbirkom zadataka iz tehnologije javnog gradskog transporta putnika	fakultet tehničkih nauka, Novi Sad	2008

Table 5.2 Course specification

Course:		Traffic Planning Models
Course id:	S0329	
Number of ECTS:	6	
Teacher:		Basarić B. Valentina
Course status:		Mandatory

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

Precondition courses

1. Educational goal:

Acquiring basic knowledge in the field of mathematical traffic demand models, network models and software package application in the field of traffic planning and traffic study elaborations for the needs of spatial and urban plans, general and brief projects, reconstruction feasibility studies, and building traffic infrastructure and passenger and cargo terminals.

2. Educational outcomes (acquired knowledge):

Creating of network models, application of demand models and output of simulation through software programmes in the elaboration of short-term development programmes and long-term traffic plans, elaboration of programme conditions for road design and elaboration of feasibility studies.

3. Course content/structure:

System analysis – approach and notions, methodological assumptions in the planning process. Methodology in the transportation planning process – transportation planning within spatial and urban planning, managing function in the transportation planning process. Models – general notions, mathematical models, model development and application. Transport demand models – origins of transport demands: basic types of traffic generation and attraction models. Spatial traffic distribution models. Growth factor models, gravity models, probability models. Models for modes and presentation of traffic distribution. Models for the distribution of flows into networks. Network models.

4. Teaching methods:

Lectures and practice. During the course, students should complete at the most two papers which solve practical problems in traffic planning. On passing the partial examination, students are not obligated to take a part of the final examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	40.00
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	J.Pađen	Osnove prometnog planiranja	Informator, Zagreb	1986
2,	Ratomir Vračarević	Osnove planiranja saobraćaja-skripta	Fakultet tehničkih nauka	2002
3,	Valentina Basarić, Milan Simeunović	Planiranje saobraćaja - praktikum sa zbirkom zadataka	Fakultet tehničkih nauka	2007
4,	Vukan R. Vuchic	Transportation for Livable Cities	New Jersey, USA	2000
5,	M.Maletin	Planiranje saobraćaja i prostora	Građevinski fakultet Beograd	2004
6,	J.Jović, I.Ivanović	Zbirka zadataka iz planiranja saobraćaja	Saobraćajni fakultet Beograd	2011

Table 5.2 Course specification

Course:		Professional Practice			
Course id:	S0442				
Number of ECTS:	2				
Teachers:					
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
0	0	0	0	3	
Precondition courses	None				

1. Educational goal:

Acquiring direct knowledge on the functioning and organization of companies and institutions dealing with jobs within the profession for which students are being educated, as well as the possibilities for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to apply previously acquired theoretical and professional knowledge for solving the specific engineering problems within the selected company or institution. Introducing students to the activities of the selected company or institution, their business manners, management, and the importance and role of engineers in their organizational structures.

3. Course content/structure:

It is made individually for each candidate, in agreement with the board of the company or institution in which the professional practice is held, and in accordance with the demands of the profession for which the students is being educated.

4. Teaching methods:

Consultations and writing a professional practice diary in which the student describes the activities and jobs performed during the professional practice.

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

Literature				
Ord.	Author	Title	Publisher	Year

Table 5.2 Course specification

Course:		Final – Bachelor Thesis			
Course id:	S0I48				
Number of ECTS:	15				
Teachers:					
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
0	0	0	0	10	
Precondition courses	None				

1. Educational goal:

Application of basic acquired knowledge and methods in solving practical problems within the selected area. Students investigate the problem, its structure and complexity, and based on conducted analysis, they draw conclusions on the possible modes of solving. Researching the literature, students are introduced to the methods for solving similar tasks, and the practice in their solving. Obtaining the knowledge on modes, structure and form of writing a report after the conducted analyses and other activities within the set topic of the final thesis. By elaborating the final thesis, students acquire experience for writing their theses where it is necessary to describe problems, conducted methods and procedures, as well as results obtained.

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

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

4. Teaching methods:

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

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

Table 5.2 Course specification

Course:		Organization of Road Traffic
Course id:	S0327	
Number of ECTS:	3	
Teacher:		Gladović V. Pavle
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To acquire knowledge on the properties of transportation companies.

2. Educational outcomes (acquired knowledge):

Possibility of the overall analysis on the work of transportation companies in contemporary working conditions.

3. Course content/structure:

Transport and transportation systems. Classification of road transport. Organizational structure of a transportation company. Functioning of a transportation company. Controlling the transportation company system. Methodology for organizational design in a transportation company. Contemporary models for organizational structure in a transportation company. Work indicators for the vehicle fleet. Technical exploitation of the means of transportation. Information system in a transportation company.

4. Teaching methods:

Lectures. Practice. Partial examination. The examination is written and oral. Written part of the examination is eliminatory. Prerequisite for taking the examination are annual paper, and completed laboratory and computer practice.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	P. Gladović	Organizacija drumskog saobraćaja	FTN	2006
2,	P. Gladović	Tehnologija drumskog saobraćaja	FTN	2003
3,	P. Gladović, M. Simeunović	Sistemi javnog autotransporta robe	FTN	2004
4,	V. Vešović, I Bojović	Organizacija saobraćajnih preduzeća	Saobraćajni fakultet u Beogradu	2002
5,	Pavle Gladović, Milorad Eskić	Optimizacija u sistemu rent-a-car	Izdavačko preduzeće PC Program d.o.o. Beograd	1997
6,	Đukić Zoran, Gajić Svetlana, Furundžić Spomenka	Drumski saobraćaj i transport	Beograd	1991

Table 5.2 Course specification

Course:		The organization and management of transport enterprises
Course id:	S0I6N2	
Number of ECTS:	3	
Teacher:		Miličić S. Milica
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To introduce students to the concepts, dimensions and specific transport enterprises management and organization autotransportnih companies and trends in the development of organizational models and abroad depending on the changes in the environment.

2. Educational outcomes (acquired knowledge):

Comprehensive analysis of the possibility of company in contemporary.

3. Course content/structure:

Transport and transport system. The organizational structure of the company autotransportnih. Functioning of company . Company system management. Company methodology of organization. Modern models organizational structure. Technical exploitation of the vehicles. Information system in company.

4. Teaching methods:

Lectures. Exercise. Colloquium. Written and oral. The written part is eliminating. The requirement for the exam are term paper, actual laboratory and computer exercises.

Knowledge evaluation (maximum 100 points)

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Pavle Gladović	Organizacija drumskog saobraćaja	Fakultet tehničkih nauka, Novi Sad	2008
2,	Dipl. oec Ivan Matić	Organizacija preduzeća	Ekonomski fakultet, Split	2005
3,	Dr Vujadin B. Vešović,dr Nebojša J. Bojović	Organizacija saobraćajnih preduzeća	Saobraćani fakultet, Beograd	2002

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme is coordinated with contemporary trends and situation in profession and it is compatible with similar programmes in international higher education institutions.
The study programme in Traffic and Transport, designed in this manner, is omniscient and provides students with the latest scientific and professional knowledge in this field.
The study programme in Traffic and Transport is comparable and compatible with the accredited study programmes from the following faculties:
1.Faculty of Traffic and Transport Sciences, Zagreb, Croatia, www.fpz.hr
2.Faculty of Operation and Economic of Transport and Communications, Zilina, Slovak Republic, www.fpedas.uniza.sk
3.Faculty of Transportation Sciences, Department of Transporting Systems, Czech Technical University in Prague, www.fd.cvut.cz
4.Faculty of Technical Sciences, Bitola, FYR Macedonia, www.tfb.uklo.edu.mk
5.Faculty of Maritime Studies and Transport, study programme Traffic Technology, www.fpp.uni-lj.si

Standard 07. Student Enrollment

The Faculty of Technical Sciences, in accordance with the social demands and its own resources, enrols at the undergraduate academic studies in Traffic and Transport, at the budget financing and self-financing, a certain number of students that is every year defined by the special Decision of the NNV FTN. The selection of the students and their enrolment is performed among the applied candidates based on their success during the previous education and their success from the qualification examination, as defined by the Statute on the enrolment of students to the study programmes.
Students from other study programmes, as well as those with already completed studies, can enrol this study programme. In these cases the Evaluation committee (made by all heads of the chairs participating in the realization of the study programme) evaluate all passed activities by the candidates and based on the acknowledged number of points determine the year of studies that the candidate can enrol. The passed activities can be accepted entirely, can be accepted partially (the committee can ask for additional work) or need not be accepted.

Standard 08. Student Evaluation and Progress

The final grade at each individual course in this programme is formed by continual monitoring of students` accomplishments and the results obtained during the academic year and on final examinations.
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 at the study programme has a set number of ECTS credits which students obtain on successfully passing the examination.
The number of ECTS credits is determined on the basis of working activities of students in taking a certain course and by applying the unique methodology at the Faculty of Technical Sciences for all study programmes. Students` success in mastering a certain course is constantly monitored during classes and is presented in points. Maximum number of points obtained in a course is 100.
Students obtain points from a course through their work during classes, fulfilment of their prerequisites and taking the examination. The minimal number of points that can be obtained by a student after fulfilling prerequisites during the teaching process is 30, and the maximal one is 70.
Each course at the study programme has a clear and publicly known mode of obtaining points. The manner of obtaining points during classes includes a number of points given to a student on the basis of each individual type of activities during classes, or by fulfilling prerequisites and taking examinations.
A student`s final achievement at a course is presented using grades from 5 (fail) to 10 (excellent). A 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.
A student can be able to take the examination from a given course if they have at least 15 ECTS credits from prerequisites. Additional conditions for taking the examination are defined individually for each course.
Student`s advancement during education is defined in the Regulations for Studying at the Undergraduate Academic Studies.

Standard 09. Teaching Staff

For the realization of the study programme in Traffic and Transport, there is the faculty staff with necessary scientific and professional qualifications.
Total number of lecturers is adequate to the demands of the study programme and depends on the number of courses performed and the number of classes per course. The total number of lecturers is adequate to cover the total number of classes at the study programme, so that each lecturer has in average 180 classes of active teaching (lectures, tutorials, practice, practical work,...) annually, i.e. 6 classes per week. Out of the total number of necessary teachers, all 100% is employed full-time.
The number of assistants is adequate for the demands of the study programme. The total number of assistants at the study programme is adequate to cover the entire number of classes at the programme, so that assistants have the average of 300 classes of active classes annually, i.e. 10 classes per week.
Scientific and professional qualifications of the teaching stuff are adequate to educational scientific field and the level of their obligations. Each teacher has at least five references from the narrow professional and scientific field in which they hold lectures at the study programme.
The number of students in a group for lectures is up to 180, practice groups have up to 60 students and laboratory practice groups have up to 20 students.
No teacher has more than 12 classes per week. All data on lecturers and assistants (CV, title appointed, references) are available to the public.

Science, arts and professional qualifications

Name and last name:	Adžić Z. Nevenka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.09.1978
Scientific or art field:	Mathematics

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Quotation total :	0

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

Science, arts and professional qualifications

Name and last name:	Bačkalić M. Todor
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.10.1992
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011		Transport System Technologies
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Magister thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Transport System Technologies

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

	ID	Course name	Study programme name, study type
1.	S0216	Water Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0220	Organization of Water Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I4N4	Process management in water transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I51V	Waterways and Ports	(S00) Traffic and Transport Engineering, Master Academic Studies (G00) Civil Engineering, Master Academic Studies
5.	S0I52V	Ship design and exploatation of ships	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I53V	Navigation and vessel traffic control	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	LIM25	Transport Technologies II	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	S0MI12	Theory of ship's motion and maneuverability	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	DSSB1	Water transport modelling	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSB6	Traffic management on inland waterways	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Tehnologija vodnog saobraćaja deo I - Plovna prevozna sredstva, Edicija - "Tehničke nauke - udžbenici", 2003. (prvo izdanje), 2005. (drugo izdanje), Fakultet tehničkih nauka, Novi Sad
2.	Eksploataciona svojstva brodskih dizel motora, 2001., Saobraćajni odsek Fakulteta tehničkih nauka, Novi Sad
3.	Analysis and Reallocation of Relibility of Power-Steering Group on Ships with "Z" Transmission", Proceedings of the First International Conference on Marine Industry "MARIND "96" Volume III pg. 271-279, Varna, Bulgaria, 2-7 June 1996.
4.	Modeling of Vessel Traffic Process in One-Way Straits at Alternating Passing, The Second International Conference on Marine Industry "MARIND "98", Varna, Bulgaria, September 28-October 2 1998.
5.	Modelling of Vessel Traffic Process at Controlled Navigation on Artificial Inland Waterways, European Inland Waterway Navigation Conference, Györ, Hungary, 11-13 June, 2003.
6.	Renewal Process of Power-Steering Group on Motor Cargo Ships of MT-1500 Series, International Conference - Dependability and Quality Management DQM 2004, Belgrade, Serbia, 16-17 June, 2004., Proceedings pg. 120-124
7.	Fuzzy approach to modelling of the control of the ship locking process, European Inland Waterway Navigation Conference, Szeged, Hungary, 11-13 June, 2005.
8.	Organizacija saobraćaja na plovnim kanalima u funkciji propusne sposobnosti plovnog puta
9.	Upravljanje saobraćajem na veštačkim plovnim putevima ograničenih dimenzija u funkciji njihove propusne sposobnosti
10.	Balkan Arterial Waterway Danube-Morava-Danube, The First International Symposium Macedonian Transport Corridors, Bitola, Macedonia, 1996.

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Basarić B. Valentina
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.02.2000
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2011		Traffic Systems
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S0324	Fundamentals in Traffic Planning	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0329	Traffic Planning Models	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I594	Traffic Forecasts	(S00) Traffic and Transport Engineering, Master Academic Studies
4.	S0MJ4	Planning of Public transport	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S1I591	Traffic Forecasts	(S01) Postal Traffic and Telecommunications, Master Academic Studies
6.	SOP2	Transportation Demand Management	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSIM1	Traffic Planning	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSSK3A	Research and simulation of road traffic flow	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Valentina Basarić "Efekti primene zone 30 na bezbednost saobraćaja u gradovima", Simpozijum "Prevencija saobraćajnih nezgoda na putevima 2006", Novi Sad, Institut za ssaobraćaj Fakulteta tehničkih nauka Novi Sad, oktobar 2006, ISBN 86-7892-008-4, UDK:656.01
2.	Ratomir Vračarević, Valentina Basarić "Uticaj naplate parkiranja na vidovnu raspodelu radnih putovanja", Tehnika 3-separat saobraćaj 2007, YU ISSN 0040-2176, UDK:625.025.4.033.9=861
3.	Valentina Basarić "Održiva mobilnost i savremene strategije upravljanja saobraćajem u gradovima", I Savetovanje "Savremene tendencije unapređenja saobraćaja u gradovima"Novi Sad, 18-19 oktobar 2007., ISBN 978-86-7892-083-7, UDK:656.01
4.	Planiranje saobraćaja-praktikum sa zbirkom zadataka
5.	Planiranje saobraćaja-praktikum sa zbirkom zadataka
6.	Ratomir Vračarević, Valentina Basarić "Vidovna raspodela: formalizacija ili strategija", TES 2002, 5.Savetovanje o tehnikama regulisanja saobraćaja, Sombor 2002.
7.	V.Basarić, "Bezbednost dece u saobraćaju inteziviranjem akcija lokalne uprave i sistema obrazovanja" IX simpozijum sa međunarodnim učešćem 2Prevencija saobraćajnih nezgoda na putevima 2008", Novi Sad, 23 i 24 oktobar 2008, ISBN 978-86-7892-149-0
8.	Basarić, V., Jović, J., 2011. Target modal split mode, Transport, Print ISSN:1648-4142, Online ISSN:1648-3480
9.	Model upravljanja raspodelom putovanja na vidove prevoza u funkciji održivog razvoja, Fakultet tehničkih nauka Novi Sad, 2010
10.	Uticaj sistema parkiranja na raspodelu putovanja po vidovima saobraćaja, Fakultet tehničkih nauka Novi Sad, 2006

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Bogdanović Z. Vuk
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1993
Scientific or art field:	Traffic Planning, Regulation and Safety

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Traffic Planning, Regulation and Safety
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1991	Faculty of Technical Sciences - Novi Sad	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S0432	Traffic Flow Theory	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies
2.	S0434	Traffic Regulation and Control	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0439	Road Capacity	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S051	Traffic Design	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S0I592	Project Evaluation	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	SOP2	Transportation Demand Management	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSIM4	Methods in Traffic Infrastructure Management	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSSK3A	Research and simulation of road traffic flow	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Teorija saobraćajnog toka, Fakultet tehničkih nauka, Novi Sad, 2004.
2.	Kapacitet putnih i uličnih ukrštanja-prioritetne raskrsnice (novi koncept), Fakultet tehničkih nauka, Novi Sad, 2002
3.	Prilog proučavanju kapaciteta i nivoa usluge na trokrakim i kružnim prioritetnim raskrsnicama po novom konceptu
4.	Prilog definisanju relevantnih parametara saobraćajnog toka za potrebe vrednovanja rekonstrukcije signalisanih raskrsnica
5.	Tanackov I., Bogdanović V., Tepić J., Sremac S., Ruškić N.: The Application of Artifical Intelligence Hybrid in Traffic Flow, Heidelberg, Springer, Heidelberg, 2011, str. 83-90, ISBN 0302-9743, UDK: 978-3-642-21219-2_12
6.	Bogdanović V., Milutinović N., Kostić S., Ruškić N.: Research of the Influences of Input Parameters on the Result of Vehicles Collisions Simulation, Promet - Traffic
7.	Bogdanović V., Dadić I., Papić Z., Ruškić N.: Procedure for Safe Distance Determination for Minor Movement Accomplishing at Unsignalized Intersections, Promet - Traffic
8.	Papić Z., Bogdanović V., Raković M.: Analyze of Changes in Exterior Dimensions of Cars During Collison with Fixed Barriers, Mobility
9.	Bogdanović V., Papić Z., Ruškić N., Jeftić A.: Vehicle Speed Characteristics at Signalized Intersections Approaches, Suvremeni promet, 2011, Vol. 31, No 3-4, pp. 196-200, ISSN 0351-1898
10.	Bogdanović V., Papić Z., Ruškić N., Basarić V., Jusufranić J.: Analysis of Traffic Conditions Influence on Capacity of Unsignalized Intersection Approach, Suvremeni promet, 2011, Vol. 31, No 3-4, pp. 257-262, ISSN 0351-1898

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Čavić M. Maja
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	03.11.1988
Scientific or art field:	Machine Elements,Construction Principles, Machine and Mechanizm

Academic carieer	Year	Institution	Field
Academic title election:	2012		Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Magister thesis	1994	Faculty of Mechanical Engineering - Beograd	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication

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

	ID	Course name	Study programme name, study type
1.	H306	Machine Mechanics	(H00) Mechatronics, Undergraduate Academic Studies
2.	M208	Theory of Mechanisms and Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	M2409	Power and Motion Transmission	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	M2410	Mechanism Synthesis	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	M2525	Mechanisms	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	H570	Mechanisms in Mechatronics	(H00) Mechatronics, Master Academic Studies
8.	M2653	Power and Motion Transmission in Agricultural Machinery	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
10.	DM215	Seelcted Chapters in Machine and Mechanisms Theory	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	DM409	Selected Chapter in Power and Motion Transmission	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Zlokolica M., Čavić M., Kostić M.: ABOUT THE TOOL'S MOTION IN THE POLYGONAL HOLES DRILLING APPLYING CENTRODES, Manufacturing Intelligent Design and Optimization Processes, Journal of Machine Engineering,Vol 7, No 2, 2007, pp 41-50, Editorial Institution of Wroclav Board of Scientific Technical Societies Federation NOT, Wroclaw, Poland, 2007, ISSN 1895-7595
2. Sorli, M., Ferraresi, C., Kolarski (Cavic), M., Borovac, B., Vukobratović, M.: Mechanics of turin parallel robot, Mechanism and Machine Theory, 1997, Vol. 32, No. 1, pp. 51-77, ISSN: 0094-114X.
3. Kolarski (Cavic), M., Vukobratović, M., Borovac, B.: Dynamic analysis of balanced robot mechanisms, Mechanism and Machine Theory, 1994, Vol. 29, No. 3, pp. 427-454, ISSN: 0094-114X.
4. M.Kostić, M. Čavić, M. Zlokolica: ABOUT OPTIMAL SYNTHESIS OF COMPLEX PLANAR MECHANISM, 12th IFToMM World Congress, Besancon, France, 18-21 june, 2007, Proceedings online on www.iftomm.org, www.iftomm2007.com
5. Čavić M., Kostić M., Zlokolica M.: POSITION ANALYSIS OF THE HIGH CLASS KINEMATIC GROUP MECHANISMS Naziv skupa: 12th IFToMM World Congress , 12. The World Congress in Mechanism and Machine Science - IFToMM, Besancon, 18-21 Jun, 2007, ISBN www.iftomm2007.com

Representative refferences (minimum 5, not more than 10)

6.	Zlokolica, M., Cavic, M., Kostic, M.: Analytical description of polygonal holes boring - General approach, Strojniski Vestnik - Journal of Mechanical Engineering, 2010, Vol. 56, No. 7-8, pp. 511-520, ISSN: 0039-2480.
7.	Kostić M., Čavić M., Zlokolica M., Veselinović Č.: ABOUT DRIVING-TRANSMISSION SYSTEMS IN THERMOFORMING MACHINES , 2. Power Transmissions, Novi Sad, 25-26 April, 2006, pp. 509-514, ISBN 86-85211-78-6
8.	Čavić M.: MODULARNI PRISTUP ANALIZI I SINTEZI MEHANIZAMA SA KINEMATIČKIM GRUPAMA VIŠE KLASE, Novi Sad, 2012
9.	Čavić M., Kostić M., Zlokolica M.: Dynamical Condition for Mechanism Synthesis, Monografija Machine Design, 2008, pp. 109-114, ISSN ISBN 978-86-7892-105
10.	Kostić M., Čavić M., Zlokolica M.: PERFORMANCE OF LEVER-CAM DWELL MECHANISM, Machine Design, 2009, pp. 115-120, ISSN 1821-1259

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

Science, arts and professional qualifications

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

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Dorić Ž. Jovan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2008
Scientific or art field:	Internal Combustion Engines

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
Master's thesis	2008	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
Bachelor's thesis	2008		Internal Combustion Engines

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

	ID	Course name	Study programme name, study type
1.	H2421	EC Enginees Mechatroncis	(H00) Mechatronics, Undergraduate Academic Studies
2.	M213	Machine Usage	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2403A	IC Engines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	M2523	IC Engine Equipment	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	M302	Fundamentals of IC Engines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	S0I241	Internal Combustion Engines	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	M2514	Simulation and design of IC engines	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2519	IC Engines and Vehicle Testing	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M2553	Selected Chapters of IC Engines and Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
10.	LIM14	Monitoring and Diagnostics of Transportation Means	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
12.	DM420	Selected Chapters – Internal Combustion (IC) Engines	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Dorić J., Klinar I.: Efficiency of a new IC engine concept with variable piston motion, Thermal Science, 2012, doi: 10.2298/TSCI110923020D, ISSN 0354-9836.
2.	Dorić J., Klinar I.: Efficiency characteristics of a new Quasi-Constant Volume Combustion spark ignition engine, Thermal Science, 2012, doi: 10.2298/TSCI120530158D, ISSN 0354-9836.
3.	Dorić J., Klinar I.: The realisation and analysis of a new thermodynamic cycle for internal combustion engine, Thermal Sciencel, 2011, Vol. 15, No 4, ISSN 0354-9836.
4.	Dorić J.: Radijalno-rotacioni bezventilski motor SUS sa potpunijim širenjem radnog tela, Beograd, Zavod za intelektualnu svojinu Republike Srbije, Bilten, 2008, str. 1639-1640, ISBN 0354-771X, UDK: 631.372.
5.	Dorić J., Klinar I., Dorić M.: Constant Volume Combustion Cyle for IC Engines, FME Transactions, 2011, Vol. 29, No 3, pp. 97-104, ISSN 1451-2092.
6.	Nikolić N., Antonić Ž., Dorić J.: Uporedni prikaz dva analitička postupka konstruisanja polarnog dijagrama opterećenja glavnih ležišta kolenastog vratila, IMK-14 - Istraživanje i razvoj, 2011, Vol. 1, No 38, pp. 3-10, ISSN 0354-6829.
7.	Nikolić N., Torović T., Antonić Ž., Dorić J.: An Algorithm for Obtaining Conditional Wear Diagram of IC Engine Crankshaft Main Journals, FME Transactions, 2011, Vol. 39, No 4, pp. 157-164, ISSN 1451-2092.
8.	Dorić J., Klinar I.: Efficiency of a Valveless IC engine with more complete expansion, 1. International Conference on Innovative Technologies IN-TECH, Prague, 14-16 Septembar, 2010.
9.	Dorić J., Klinar I., Nikolić N., Stojić B.: Use of natural gas in agricultural machinery, 39. 39th INTERNATIONAL SYMPOSIUM: ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Opatija: Sveučilište u Zagrebu Agronomski Fakultet, Hrvatska, 22-25 Februar, 2011, pp. 149-160, ISBN 1333-2651.
10.	Nikolić N., Torović T., Antonić Ž., Dorić J.: A Comparative Approach to the Load Determination of IC Engine Main Bearings, 7. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Balatonfured, 24-26 Maj, 2012, pp. 199-204, ISBN 978-86-7892-399-9.

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

Quotation total :	0

Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Đurić M. Nikola
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1997
Scientific or art field:	Theoretical Electrotechnics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

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

	ID	Course name	Study programme name, study type
1.	E216	Fundamentals of Electrical Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies
2.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	H104	Fundamentals of Electrical Engineering 1	(H00) Mechatronics, Undergraduate Academic Studies
4.	H108	Fundamentals of Electrical Engineering 2	(H00) Mechatronics, Undergraduate Academic Studies
5.	M112	Electrical Engineering and Electric Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	E105	Fundamentals of Electrical Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
7.	E110	Fundamentals of Electrical Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI94	Fundamentals of Electrical Engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	DE416S	Investigation of electromagnetic fields	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE517S	Technology of magnetic and optical data storage	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E1IEP	Investigation of electromagnetic fields	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
14.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
15.	DE416	Investigation of electromagnetic fields	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
16.	DE517	Technology of magnetic and optical data storage	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Đurić N., Despotović M. : Application of MTR soft-decision decoding in multiple-head magnetic recording systems, Sadhana - Academy Proceedings in Engineering Science, 2009, Vol. 34, Broj 3, str. 381-392, ISSN 0256-2499
2.	Đurić S., Nađ L., Damnjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362
3.	Đurić N., Kavecan N.: Internet Portal of the SEMONT Information Network for the EM Field Monitoring, 4. International Conference on Advances in Future Internet - AFIN, Rim, 19-24 Avgust, 2012, pp. 55-59, ISBN 978-1-61208-211-0 (Best paper award)
4.	Đurić N., Kavečan N., Kljajić D.: The EM Field Register of the SEMONT Broadband Monitoring Network, 10. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 20-22 Septembar, 2012, pp. 27-30, ISBN 978-1-4673-4748-8
5.	Đurić N., Šenk V.: The MAP Implementation in Logic Circuits for Soft-decision Decoding of MTR Codes, 6. European Modeling Symposium - EMS, Malta, 14-16 Novembar, 2012, pp. 201-206, ISBN 978-0-7695-4926-2/12
6.	Đurić N., Prša M., Kasaš-Lažetić K.: Information Network for Continuous Electromagnetic Fields Monitoring, International Journal of Emerging Sciences - IJES, 2011, Vol. 1, No 4, pp. 516-525, ISSN 2222-4254
7.	Vukobratović B., Đurić N.: Monitoring of EMF with SEMONT system, 6. International PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields – CEMBEF, Novi Sad, 28-30 Jun, 2012, pp. 63-66, ISBN 978-86-7892-410-1
8.	Bajović V., Đurić N., Herceg D.: Serbian Laws and Regulations as Foundation for Electromagnetic Field Monitoring Information Network, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04
9.	Đurić N., Prša M., Kasaš-Lažetić K., Bajović V.: Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1
10.	Đurić N., Šenk V., Vasić B.: MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)

3.	Georgijevic M.: Einfluss der Wippantrieb-Regulierung auf Lastpendel und Dynamik von Wippdrehe Krannen, dhf - deutsche hebe und fördertechnik, 1992, Nr. 3, s. 74-81
4.	Georgijevic M, Milisavljevic B.: Pendeln des Containers bei der Katzenbewegung der Portalkrane, dhf - deutsche hebe und fördertechnik, 1994, Nr.9, s. 41-47
5.	Georgijevic M.: Zur Regelung und Steuerung bei Kranen, dhf- deutsche hebe und fördertechnik, Nr. 1/2-97, s. 58-64,
6.	Georgijević M.: Using Simulation in Material Flow Processes and Machine Design, Simulation News Europe, July 2002, p.18,19
7.	M. Georgijevic, R. Kostic, Erhöhung der Lebensdauer von Fördermaschinen durch mechatronische Systeme, 30. Tagung DVM – Arbeitskreis Betriebsfestigkeit Mechatronik und Betriebsfestigkeit - Stuttgart, 8. und 9. Oktober, 2003, s.139-163 (Predavanje po pozivu)
8.	Georgijevic M, Radanovic R.: Simulation komplexer Systeme und Optimierung 9. Symposium Simulation als betriebliche Entscheidungshilfe: Neuere Werkzeuge und Anwendungen aus der Praxis (Proc. zum 9. Symposium), Goettingen s. 307-320, 2004
9.	Georgijevic M.: Fuzzy Control zur Regelung einer Krananlage, Erfolgsbilanz fur Fuzzy Logik, Ausgburg, 1992
10.	Pap E, Bojanic V, Georgijevic M, Bojanic,: Application of Pseudo-Analysis in the Synchronization of Container Terminal Equipment Operation , ACTA POLYTECHNICA HUNGARICA, (2011), vol. 8 br. 6, str. 5-21.

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Quotation total :	325

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

Science, arts and professional qualifications

Name and last name:	Gladović V. Pavle
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.02.2000
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	1994	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies
Magister thesis	1986	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies
Bachelor's thesis	1975	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies

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

	ID	Course name	Study programme name, study type
1.	S0322	Road Traffic Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0327	Organization of Road Traffic	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I593	System of Public Transportation of Goods	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	S0I591	Quality System in Road Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	LIM10	Transport Technologies I	(LIM) Logistic Engineering and Management, Master Academic Studies
6.	S0MJ1	Informacioni sistemi u drumskom transportu	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0MJ4	Planning of Public transport	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	SDI6	Optimization of the Goods Transportation Process	(OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
9.	SDI7	Passenger Transport Process Optimization	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pavle Gladović, Tehnologija drumskog saobraćaja, FTN, Novi Sad 2003
2.	Pavle Gladović, Zbirka rešenih zadataka iz tehnologije drumskog transporta, Izdavačko preduzeće PC Program, d.o.o., Beograd 2000
3.	Pavle Gladović, Milan Simeunović, Sistemi javnog autotransporta robe, FTN, Novi Sad 2004
4.	Pavle Gladović, Tarifna politika u javnom gradskom putničkom prevozu, Izdavačko preduzeće PC Program, d.o.o., Beograd 1995
5.	Pavle Gladović, Stanislav Glumac, Srećko Žeželj, Srećko Nijemčević, Projektovanje, proizvodnja i eksploatacija autobusa, IKARBUS a.d. Beograd 2002
6.	Pavle Gladović, Nebojša Bojović, Milomir Veselinović, Nova logistika u oblasti javnog gradskog putničkog prevoza u jugoslovenskim gradovima, Tehnika 5, 1999. god. str. 218-223
7.	Pavle Gladović, Milorad Eskić, Milan Simeunović, Geometrijski model upravljanja procesom preventivnog održavanja fuzzy logikom, Tenika 4-5, 2003. god. str.7-17
8.	Pavle Gladović, Milica Miličić, Milan Simeunović, Kvalitet usluge u drumskom transportu, Tehnika 3, 2004, str. 113-120
9.	P. Gladović, N. J. Bojović, A methodology for introducing new types of tickets in an urban public transport network, International Journal of Transport Economics, Vol. XXVII-No. 3, str. 381-399, Roma october 2000
10.	Pavle Gladović, Mileta Goršič, Drago Tošić, Troškovni model linija sa kategorizacijom linija u sistemu javnog masovnog transporta putnika, Novi Sad 2007. god.

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

Quotation total :	3

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

Science, arts and professional qualifications

Name and last name:	Grahovac M. Nenad
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	29.12.2004
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Continuum Mechanics
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics

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

	ID	Course name	Study programme name, study type
1.	A207	Mechanics	(A00) Architecture, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
2.	E104	Mechanics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GG07	Mechanics 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
6.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
7.	M204	Strength of Materials	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
8.	M4401	Continuum mechanics	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	BMI127	Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	M44041	Dynamics of non-smooth mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
12.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
14.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
15.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies
16.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
17.	DTM02	Theory of impact	(H00) Mechatronics, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
18.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
19.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, Vol. 22, No 4, pp. 1-10, ISSN 0218-1274
2.	Grahovac N., Žigić M.: Modelling of the hamstring muscle group by use of fractional derivatives, Computers and Mathematics with Apllications, 2010, Vol. 59, No 5, pp. 1695-1700, ISSN 0898-1221.
3.	Glavardanov V., Maretić R., Grahovac N.: Buckling of a twisted and compressed rod supported by Cardan joints , European Journal of Mechanics - A: Solids, 2009, Vol. 28, pp. 131-140, ISSN 0997-7538
4.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008
6.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010
8.	Grahovac N.: Generalized Zener model in the analysis of free vibration of a viscoelastic oscillator, 2. International Congress of Serbian Society of Mechanics, Palić: Serbian Society of Mechanics, 1-5 Jun, 2009, pp. 145-153, ISBN 978-86-7892-173-5, UDK: 531/534(082)
9.	Žigić M., Grahovac N., Spasić D.: A simplified earthquake dynamics of a column like structure with fractional type of dissipation , 1. International Congress of Serbian Society of Mechanics, Kopaonik: Serbian Society of Mechanics, 10-13 April, 2007, pp. 165-172, ISBN 978-86-909973-0-5, UDK: 531/534(082)
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

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

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Jovanović M. Dragan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.12.1998
Scientific or art field:	Traffic Systems

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Quotation total :	0

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

Science, arts and professional qualifications

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

1.	Marina Katić, Kostadin Pušara, “Standardization of E-Commerce Terminology“, Annals of the Faculty of Engineering Hunedoara, Vol.III, Part 2, 2005, ISSN 1584-2665, Edition Mirton, Timisoara (Romania), pp.31-36.
2.	M.Katić, “O tehnikama prevođenja nekih engleskih termina energetske elektronike”, 11th International Symposium on Power Electronics – Ee 2001, Novi Sad, Oct.-Nov.2001, pp.154-157.
3.	M.Katić, “Terminology of E-Commerce”, 7th International Symposium on Interdisciplinary Regional Research – ISIRR 2003, Hunedoara (Romania), Sept. 2003, CD-ROM – Paper 0104.
4.	M.Katić, “Key Terms of Business Environment”, PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 2003, .
5.	Marina Katić, Kostadin Pušara, “Need for E-Commerce Term Standardization and Harmonization”, Western Business & Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM.
6.	Marina Katić, Kostadin Pušara, “Standardization of E-Commerce Terminology“, VIII International Symposium on Interdisciplinary Regional Research - ISSIR 2005, Szeged (Hungary), 19-21. 04. 2005., University of Szeged, CD ROM.
7.	M.Katić, “Deregulacija u elektroprivredi sa aspekta tumačenja i prevođenja engleskih termina na srpski jezik”, III Jugoslovensko savetovanje o elektrodistributivnim mrežama, JUKO-CIRED, Vrnjačka Banja, Okt. 2002, Sveska 4, P-7.04, pp.153-158, (knjiga i CD ROM).
8.	M.Katić, “Engleski jezik u službi međunarodnog menadžmenta“, XII međunarodna konferencija Industrijski sistemi – IS 2002, Vrnjačka Banja, Nov. 2002, pp.146-151
9.	M.Katić, “Anglicizmi u jeziku tehnike”, XLVII Konferencija ETRAN, Herceg Novi, Jun 2003, CD-ROM i knjiga, Sveska 3, pp. 241-244.
10.	M.Katić, K.Pušara, „Zašto je potrebna standardizacija termina elektronske trgovine“, XLIX Konferencija za ETRAN, Budva, 05.-10. 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241.

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Klinar J. Ivan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1972
Scientific or art field:	Internal Combustion Engines

Academic carieer	Year	Institution	Field
Academic title election:	1999	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
PhD thesis	1988	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
Magister thesis	1978	Faculty of Agriculture - Novi Sad	Motor Vehicles
Bachelor's thesis	1971	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines

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

	ID	Course name	Study programme name, study type
1.	M213	Machine Usage	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M2418	Mechatronics of Motors and Road Vehicles	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2523	IC Engine Equipment	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I241	Internal Combustion Engines	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	H2403	Equipment and IC Engines Mechatronics	(H00) Mechatronics, Master Academic Studies
6.	M2403	IC Engines	(M40) Technical Mechanics and Technical Design, Master Academic Studies
7.	M2547	Equipment of IC engines and motor vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2548	Diagnostics and maintenance of IC engines and vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	LIM14	Monitoring and Diagnostics of Transportation Means	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	DM420	Selected Chapters – Internal Combustion (IC) Engines	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Klinar I., Ličen H., Stefanović A., Bošnjaković S.:Influence of special additives for fuel on efektiveness of engine, 38. International Petroleum Conference, Proceedings, A7-1-13, Bratislava, 1997.
2. Klinar I.: Motori SUS, osnovni udžbenik, Fakultet tehničkih nauka-Novi Sad, 2005. UDK621.43(075.8), ISBN86-85211-47-6
3. Klinar I.: Oprema motora SUS, osnovni udžbenik, Fakultet tehničkih nauka-Novi Sad, 1993. UDK621.43(075.8)
4. Klinar I.: Sistemi napajanja gorivom motora SUS, pomoćni udžbenik (skripta), FTN-Institut za mehanizaciju, 1991. UDK621.43(075.8)
5. Dorić J., Klinar I.: The realisation and analysis of a new thermodynamic cycle for internal combustion engine, Thermal Science, 2011, Vol. 15, No 4, ISSN 0354-9836.
6. Dorić J., Klinar I.: Efficiency characteristics of a new Quasi-Constant Volume Combustion spark ignition engine, Thermal Science, 2012, doi:10.2298/TSCI120530158D, ISSN 0354-9836
7. Dorić J., Klinar I.: Efficiency of a new IC engine concept with variable piston motion, Thermal Science, 2012, doi:10.2298/TSCI110923020D, ISSN 0354-9836.
8. Klinar I., Stefanović A., Rajković M.: Possibilities of piston-cylinder diagnostics of fits of engines, Tribology in industry, vol.21, No.1, p 12-17, 1999.
9. Klinar I., Dorić J.: One method vor determining the limit values of diagnostic parameters of I.C. engine piston-cylinder assemblies, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 305-310, ISBN 978-86-7892-278-7
10. Dorić J., Klinar I., Nikolić N., Stojić B.: Use of natural gas in agricultural machinery, 39. 39th INTERNATIONAL SYMPOSIUM: ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Opatija: Sveučilište u Zagrebu Agronomski Fakultet, Hrvatska, 22-25 Februar, 2011, pp. 149-160, ISBN 1333-2651, UDK: 631

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

Science, arts and professional qualifications

Name and last name:	Kostić I. Svetozar
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1992
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Traffic Systems
PhD thesis	1989	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Magister thesis	1983	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1973	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering

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

	ID	Course name	Study programme name, study type
1.	S0433	Traffic Accidents Expertise	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0435	Parking and Public Parking Garages	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0438	Traffic Safety and Control Methods	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0440	Traffic Terminal Servers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0MI4S	Road infrastructure and road safety in urban areas	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSSK6S	Suistainable safe road design	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Saobracajna tehnika I - Tehnika bezbednosti i kontrole saobracaja, Udzbenik, FTN Univerziteta u Novom Sadu, 1998.
2.	Tehnika bezbednosti i kontrole saobracaja, Udzbenik, II izmenjeno i dopunj.izdanje, FTN u Novom Sadu, 2005.
3.	Brzina kao faktor bezbednosti drumskog saobracaja, Monografija, FTN u Novom Sadu i EP Komerc Beograd 1994.
4.	Saobracajno tehnicko vestacenje - osnovni pojmovi, definicije i merne jedinice, prirucnik, Savez inzenjera i tehnicara Srbije, Beograd 1996.
5.	Aplication of Marquard equations in vehicle crash expertise, "MOTAUTO 01", Proceeding Vol.II, Varna 2001.
6.	Tehnicko regulisanje saobracaja i problemi parkiranja u gradovima Srbije, Savetovanje o kontroli i upravljanju saobracaja, SDIT Beogad 1992.
7.	Visespratna garaza - dvostruka spirala-,zasticen patent, YU PAT-63/97, Savezni zavod za intelektualnu svojinu, Beograd 1997.
8.	Zahtevi strukturnih karakteristika automobila sa aspekta zaštite putnika prilikom sudara, XII Međunarodni skup, Motorna vozila i motori, Kragujevac 2002.
9.	Rekonstrukcije specifičnih sudara vozila primenom programskog paketa PC CRASH, Savetovanje na temu Saobraćajne nezgode, Zlatibor, 2007.
10.	Naučno stručni pristup formiranju nalaza i mišljenja veštaka", Savetovanje na temu Saobraćajne nezgode, Zlatibor, 2007.

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Kujačić D. Momčilo
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	21.09.2005
Scientific or art field:	Postal Traffic and Communications

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Postal Traffic and Communications
PhD thesis	2001	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems
Magister thesis	1999	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems
Bachelor's thesis	1978	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S01322	Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S01327	Postal Services and Networks	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S01330	Strategic Planning in Postal Traffic and Telecommunications	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	S01381	Direct marketing	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	S01471	Change management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	S0I323	Technology of postal traffic	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	S0153	New Technologies and Services in Postal Traffic	(S01) Postal Traffic and Telecommunications, Master Academic Studies
8.	S1I583	Models of Postal Network Management	(S01) Postal Traffic and Telecommunications, Master Academic Studies
9.	S1I593	Electronic postal services	(S01) Postal Traffic and Telecommunications, Master Academic Studies
10.	DSSP1	Selected chapters from the field of public postal network management	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSP2	Selected chapters from the field of postal traffic organization	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSP3	Selected chapters from the field of postal services market research	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSP4	Selected chapters from the field of process management in postal traffic	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Blagojević M., Kujačić M., Šarac D.: Activity-based management of costs and revenue of universal postal service operator, Metalurgia international, 2013, No 3, ISSN 1582-2214
2.	Jovanović B., Kujačić M., Šarac D., Atanasković P.: Fuzzy logic approach to predicting waiting time, Metalurgia international, 2013, No 4, ISSN 1582-2214,
3.	Kujačić M., Šarac D., Marković D., Jovanović B.: Providing universal postal service in developing countries, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 1158-1165, ISSN 1993-8233
4.	Bojović N., Kujačić M., Macura D.: Organizational design of a post office using analytic network process (Article), Scientific Research and Essays, 2010, Vol. 5, No 10, pp. 1194-1212, ISSN 1992-2248
5.	Blagojevic M., Marković D., Kujačić M., Dobrodolac M.: Applying activity based costing model on cost accounting of provider of universal postal services in developing countries (Article), African Journal of Business Management, 2010, Vol. 4, No 8, pp. 1605-1613, ISSN 1993-8233
6.	Kujačić M., Bojović N.: Organizational Desgn of Postal Corporation Structure Using Fuzzy Multicriteria decision Making , Computational & Mathematical Organization Theory, Volume 9, Number 1, may 2003, Kluwer Academic Publishers, Boston/U.S.A. 2003, pp 5-18.
7.	Kujačić M., Bojović N.: Organizational modeling, Postal technology international, 2007, pp. 62-63, ISSN 1472-5274
8.	Kujačić M., Šarac D., Jovanović B.: Access to the postal network of the public operator, SEETSI, Budva, FMSK Berane, 2012.
9.	Kujačić M., Šarac D., Jovanović B.: Regionalni pristup finansiranju univerzalne poštanske usluge, Saobraćajni fakultet Sarajevo, 1. SEETSI, Sarajevo, 2010.

Representative refferences (minimum 5, not more than 10)	
10.	Kujačić M., Jekić M.: Značaj koridora 4B za razvoj poštanskog saobraćaja u regionu, međunarodna konferencija: Strateški razvoj saobraćajnog koridora Bukurešt-Beograd-Bar-Bari (4B).

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	4	International :	0

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Lošonc N. Alpar
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1989
Scientific or art field:	Economics

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Economics
PhD thesis	1993	Faculty of Economics - Subotica	Economics
Magister thesis	1988	Faculty of Law - Novi Sad	Economic Science
Bachelor's thesis	1981	Faculty of Law - Novi Sad	Legal Science

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

	ID	Course name	Study programme name, study type
1.	M317	Economy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	S002A	Economics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	A206	Sociology and Economy of the Built Enviroment	(A00) Architecture, Undergraduate Academic Studies
4.	ASI321	Economics in culture and art	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
5.	IM1004	Principles of economics	(I20) Engineering Management, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	A005S	Urban sociology and economics: selected chapters	(A00) Architecture, Specialised Academic Studies
7.	MBA303	Economics for Managers	(IB0) Engineering Management - MBA, Specialised Professional Studies
8.	MBA307	European and international business and trade law	(IB0) Engineering Management - MBA, Specialised Professional Studies
9.	MBA521	The European Union-development process	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	Z513A	Economics and the environmental protection	(Z20) Environmental Engineering, Master Academic Studies
11.	RPR006	Economics of Regional Development	(RPR) Regional Development Planning and Management, Master Academic Studies
12.	Z513	Ekonomija i zaštita životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	ZRMI3A	Sociological and Legal Aspects of Occupational Safety	(Z01) Safety at Work, Master Academic Studies
14.	A005	Urban Sociology and Economics – Selected Chapters	(A00) Architecture, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Suffitientia Ecologica, Novi Sad, Stylos, 2005
2. Moderna na Kolonu, Vreme knjige, Beograd, 1997
3. Principi ekonomije, koautor, 2003, Stylos, Novi Sad
4. Kosta Josifidis, Alpar Lošonc. Novica Supić, Eseji o državi blagostanja, Futura publikacije, Novi Sad, 2009, ISBN 978-86+7188-119-7
5. Kosta Josifidis, Alpar Lošonc, Neoliberalizam, sudbina ili izbor, Novi Sad, Futura, 2007, ISBN 978-86-85699-03-0
6. A. Lošonc, S. Mitrović, A. Ivanišević, Praktikum iz principa ekonomije, Fakultet tehničkih nauka, Novi Sad, 2008
7. Suverenitet, moć i kriza, Svetovi, Novi Sad, 2006, 392. str., Cobiss. SR-ID 216449031.
8. A. Lošonc, A. Ivanišević, S. Mitrović, Globalizacija – rešenja i dileme, Fakultet tehničkih nauka, Novi Sad, 2008
9. Alpar Lošonc, Andrea Ivanišević, Slavica Mitrović, Strukturalna kriza: forme i uzroci, FTN, Novi Sad, 2012

Representative refferences (minimum 5, not more than 10)	
10.	•Alpar Lošonc,Radoš Radivojević, Tijana Vučević, Socio-Ekonomska Odredjenost Znanja i Protivrečnosti Statusa Znanja,Tehnologija Informatika i Obrazovanje za Društvo Učenja Znanja, Fakultet Tehničkih Nauka, Novi Sad, 2009. ISBN 978-86-7447-083-1 (IPI), COBISS-SR-ID 243356167,str 165-179

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	38			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Miličić S. Milica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1993
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S0322	Road Traffic Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0I593	System of Public Transportation of Goods	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	URZP36	Risks in Manipulating Hazardous Substances	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	S01551	Fundamentals of air transport.	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	S0I6N2	The organization and management of transport enterprises	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
6.	SO16N	Introduction to traffic	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	LIM10	Transport Technologies I	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	S0M4	Modelling of Traffic and Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
11.	S0MJ2	Transportation Control	(S00) Traffic and Transport Engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Miličić M.: Komercijalna vozila i inteligentni transportni sistemi, 5th Symposium with International Participation, "Prevention of Traffic Accidents on Roads" 2000., 5. Prevencija saobraćajnih nezgoda na putevima, Novi Sad: Institut za saobraćaj, Fakultet tehničkih nauka, 12-13 Oktobar, 2000, pp. 33-38, ISBN 656.1.08(082), UDK: 629.1-4
2.	Gladović P., Miličić M., Simeunović M.: Kvalitet usluge u drumskom transportu, Časopis "Tehnika", Tehnika - Saobraćaj, 2004, No 3, pp. 113-120, ISSN 0558-6208, UDK: 656(062.2)(497.1)
3.	Miličić M.: Saobraćajno upravljački centar, 8th Symposium with international participation, "Prevention of Traffic Accidents on Roads" 2006., 8. Prevencija saobraćajnih nezgoda na putevima, Novi Sad: Institut za saobraćaj, Fakultet tehničkih nauka, 14-16 Jun, 2006, pp. 329-334, ISBN 86-7892-008-4, UDK: 656.053
4.	Škiljaica V., Miličić M.: Sistematizacija pokazatelja prevoza putnika brodovima unutrašnje plovidbe na gradskim i prigradskim linijama, 2. Savremene tendencije unapređenja saobraćaja u gradovima, Novi Sad: Departman za saobraćaj, Fakultet tehničkih nauka,2009. , pp. 157-163, ISBN 978-86-7892-222-0, UDK: 656.342
5.	Miličić M., Basarić V.: Optimization of cargo transport expenses, 4th ICET, 4. Internacional Conference on Engineering Technologies - ICET, Novi Sad: Fakultet tehničkih nauka, 28-30 April, 2009, pp. 164-167, ISBN 978-86-7892-161-2, UDK: 09:917736A0
6.	Miličić M.: Information system of maintaining of vehicles and rolling-stock, svibanj/kolovoz 2009., Suvremeni promet, Časopis za pitanja teorije i prakse prometa, Vol.29, Str. 177-308, Zagreb, svibanj/kolovoz 2009., 2009, Vol. 29, No 3-4, pp. 223-226, ISSN 0351-1898, UDK: 656

Representative refferences (minimum 5, not more than 10)

7.	Basarić V., Miličić M., Mitrović J.: Strateški okviri razvoja urbanog saobraćaja u Evropskoj Uniji, I Savetovanje sa međunarodnim učešćem "Transport i savremeni uslovi poslovanja", 27. i 28. maj Travnik-Vlašić, 1. Transport i savremeni uslovi poslovanja, Travnik: Fakultet za privrednu i tehničku logistiku Travnik, 27-28 Maj, 2010, pp. 63-70, ISBN 978-9958-640-06-3, UDK: 658.7(075.8)
8.	Škiljaica V., Miličić M., Škiljaica I.: Tehničke i eksploatacione karakteristike putničkih brodova za gradski i prigradski saobraćaj , Tehnika - Saobraćaj, 2010, No 5, pp. 7-12, ISSN 0558-6208, UDK: 62(062.2)(497.1)
9.	Basarić V., Miličić M.: Critical analysis of the application of classic four-step model, Put i saobraćaj, 2011, Vol. 57, No 4, pp. 5-8, ISSN 0478-9733
10.	Stojanović Đ., Nikoličić S., Miličić M.: Transport Fleet Sizing by Using Make and Buy Decision-Making, Economic annals, 2011, pp. 77-102, ISSN 0013-3264, UDK: 3.33

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)

8.	Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray , HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991
9.	Milankov M., Savić D., Milojević Z.: Geometric considerations regarding the surface of the tibial insertion of the ACL graft, Knee Surg Sports Traumatol Arthrosc, 2012, Vol. 20, No 9, pp. 1887-1888, ISSN 0942-2056
10.	Obradović R., Petter O., Vidaković M., Popkonstantinović B., Popović B., Milojević Z.: Using Contemporary 3D Web Technologies in the Process of CAD Model Design (prihvaćen za objavljivanje u 2013), Technics Technologies Education Management, 2013, Vol. 8, No 1, 2/3, ISSN 1840-1503

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

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

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

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

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

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management

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

	ID	Course name	Study programme name, study type
1.	E2I41	Information System Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
2.	EOS33	Entrepreneurial management	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	S002A	Economics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	II121	Principles of economics	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	I120	Principi menadžmenta(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	I201	Preduzetništvo(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	II1041	Innovation and Entrepreneurship	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	IM1005	Entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
9.	IM1007	Principles of engineering management	(I20) Engineering Management, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	IM1215	Management of small and medium size enterprises	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1218	Models of open innovations and corporate entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies
12.	IMDS97	Entrepreneurial Management	(I22) Engineering Management, Specialised Academic Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	NIT07	Management Skills	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
15.	IMDS66	Managerial decision-making	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
16.	IMDR97	Entrepreneurial Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR66	Managerial decision-making	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Mitrović, S., Grubić-Nešić, L ., Milisavljević, S., Melović, B.,. Zuzana Babinkova (in press) Manager's Assessment of Organizational Culture. E+M Ekonomie a Management ISSN 1212-3609.
2.	Slavica MITROVIĆ, Bozidar LEKOVIĆ, Valentin KONJA, Ana NEŠIĆ (in press). EMPLOYEE TIME MANAGEMENT: A CASE STUDY FROM SERBIA.Metalurgia International, ISSN 1582 – 2214. Vol. (1).
3.	Valentin KONJA, Leposava GRUBIĆ-NEŠIĆ, Slavica MITROVIĆ (2012). LEADER-MEMBER EXCHANGE: A SHORT CASE STUDY FROM A SERBIAN COMPANY. Metalurgia International, ISSN 1582 – 2214. Vol.17 (11), pp. 146-153.
4.	Melović, B., Mitrović, S., Milisavljević, S., Pejanović, R., Ćelić, Đ. (2012). RESEARCH OF CONSUMPTION AND COMPETITIVENESS OF HOMEMADE PRODUCTS FOR MANUFACTURING IMPROVEMENT: CASE STUDY FROM MONTENEGRO. African Journal of Agricultural Research. ISSN 1991-637X .Vol. 7(26), pp. 3757-3764.
5.	S. Mitrovic, S. Milisavljevic, I. Cosic, B. Lekovic, L. Grubic-Nesic, A. Ivanisevic: Changes in leadership styles in a transitional economy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 4 May 2011. ISSN 1993-8233 Academic Journals.
6.	Mitrović, S., Nikolić, J., Milisavljević, S., Ćosić, I. (2012). Factors influencing managerial decision-making in industrial systems, International symposium on industrisl enigneering-SIE, Belgrade. Proceeding page 67-73. ISBN 978-86-7083-758-4 (COBISS:SR-ID 191329292).
7.	Mitrović, S., Melović, B., Ćosić, I. (2012). ENTREPRENEURIAL EDUCATION AS AN EMPLOYMENT-INFLUENCING FACTOR. International entrepreneurship conference „Recruitment in the light of entrepreneurship“, organized by Faculty of Economics, Podgorica, Montenegro. ISBN 978-86-80133-56-0
8.	Mitrović, S., Milisavljević, S., Melović, B., Grubić-Nešić, L. (2012). Strategic management in the function of overcoming economical crizes, 17 th International Scientific Symposium Strategic management and Decision Support Systems in Strategic Management, Palic-Subotica. ISBN 978-86-7233-305-3 (COBISS.SR-ID 250924295).
9.	Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160.
10.	Lošonc (Losoncz) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehnickih nauka, 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Nikoličić S. Svetlana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1991
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Bachelor's thesis	1988	Faculty of Transport and Traffic Engineering - Beograd	Integral Transport and Logistics

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

	ID	Course name	Study programme name, study type
1.	S0221	Company Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	SO211	Introduction to Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S0I597	Shaping Logistics Processes in Supply Chains	(S00) Traffic and Transport Engineering, Master Academic Studies
4.	LIM01	Fundamentals of Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
5.	LIM07	Intermodal Transport Technologies	(LIM) Logistic Engineering and Management, Master Academic Studies
6.	LIM08	Company Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
7.	LIM11	Supply Chain Design and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	LIM22	Logistic Controlling and Benchmarking	(LIM) Logistic Engineering and Management, Master Academic Studies
9.	LIM23	Logistic Centers	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM24	Urban Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	S0ML4	Logistics centers	(S00) Traffic and Transport Engineering, Master Academic Studies
12.	S1I592	Postal logistics centers	(S01) Postal Traffic and Telecommunications, Master Academic Studies
13.	DSSL1	Supply chain management	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSL2	Selected topics from inventory management	(S00) Traffic Engineering, Doctoral Academic Studies
15.	DSSL5	Sustainable Logistics	(S00) Traffic Engineering, Doctoral Academic Studies
16.	DSSL6	Logistics outsourcing	(S00) Traffic Engineering, Doctoral Academic Studies
17.	ZRD232	Logistics in the Security Services and Health at Work	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Svetlana Nikoličić, Primena RFID-tehnologija u logistici, Racionalizacija transporta i manipulisanja, 4/04, str. 7-11, YU ISSM 0350-4492
2. Nikoličić S., Škrinjar D., Stankovski S.: Šta nude RFID tehnologije u logistici, 7. Međunarodni naučno-stručni skup o dostignućima elektro i mašinske industrije - DEMI, Banja Luka: Mašinski fakultet, 27-28 Maj, 2005, pp. 645-651
3. Nikoličić S., Maslarić M., Stojanović Đ.: Managing Logistic Processes in Retail, Strategic management - Inteniational Joumal of Strategic Management and Decision Support Szstems in Strategic Management, 2008, No 3, pp. 49-53, ISSN 0354-8414, UDK: 005.5:399.372
4. Nikoličić S., Ostojić T.: Cross-docking kao način racionalizacije distribucije, Poslovna logistika, 2006, No 3, pp. 42-45, ISSN 1452-4767
5. Stojanović Đ., Maslarić M., Nikoličić S.: The Relationship Between Collaborative Management And Transport Sourcing In Supply Chains, in Developing Sustainable Collaborative Supply Chains , 12. International Symposium on Logistics, Budimpešta: Centre for Concurrent Enterprise, University of Nottingham, Business School, 8-10 Jul, 2007, pp. 579-584, ISBN 978 0853582182

Representative refferences (minimum 5, not more than 10)

6.	Stojanović Đ., Maslarić M., Nikoličić S.: Using the European Intermodal Transport E-marketplace - The Serbian Perspective , "Strategijski menadžment" Ekonomski fakultet, Subotica, 2008, Vol. 1, No 1, pp. 27-33, ISSN 0354-8414., UDK: 005.51; 658.62
7.	Stojanović Đ., Nikoličić S., Miličić M.: Transport Fleet Sizing by Using Make and Buy Decision-Making, Economic annals, 2011, pp. 77-102, ISSN 0013-3264, UDK: 3.33
8.	Maslarić M., Nikoličić S., Stanković S.: Automatski sistem nabavke u maloprodaji, Poslovna logistika, 2006, No 6, pp. 34-37, ISSN 1452-4767
9.	Maslarić M., Stojanović Đ., Nikoličić S.: Serbian intermodal transport system, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2008, Vol. 53, No S4, ISSN 1224-6077
10.	Maslarić M., Stojanović Đ., Nikoličić S.: Logistics industry in Serbia, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2008, Vol. 53, No S4, pp. 21-24, ISSN 1224-6077

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Obradović M. Ratko
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	02.09.1993
Scientific or art field:	Computer Graphics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Computer Graphics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Computer Graphics
Magister thesis	1997	Faculty of Sciences - Novi Sad	Computer Graphics
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication

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

	ID	Course name	Study programme name, study type
1.	IA020	Advanced Display Technologies	(F10) Engineering Animation, Undergraduate Academic Studies
2.	M108	Engineering Graphic Communications	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
3.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	IA006	Spatial Shape Design	(F10) Engineering Animation, Undergraduate Academic Studies
5.	IA009	3D Modeling	(F10) Engineering Animation, Undergraduate Academic Studies
6.	IA014	Advanced Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
7.	IGA013	Character Animation	(F10) Engineering Animation, Undergraduate Academic Studies
8.	IGA055	Special Visual Effects	(F10) Engineering Animation, Undergraduate Academic Studies
9.	IGB034	Video in Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
10.	IGB340	Fundamentals of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
11.	ZC007	Engineering Graphic Communications	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	IA018	Computer Geometry	(F20) Engineering Animation, Master Academic Studies
13.	AD0010	Advanced Animation and Video Post Techniques in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
14.	E2528	Computer game development	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	IA005	History of Animation	(F20) Engineering Animation, Master Academic Studies
16.	AIDO8	Advanced Interdisciplinary Scientific Visualization	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray, HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991

Representative refferences (minimum 5, not more than 10)

2.	Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991
3.	Bojić S., Golub M., Müller J., Obradović R., Martinov M.: Convective drying of naked seeded oil pumpkin seeds (Cucurbita pepo L.) in a medium scale batch dryer with different modes of air circulation., Zeitschrift für Arznei- und Gewürzpflanzen, 2012, Vol. 17, No 3, pp. 108-115, ISSN 1431-9292
4.	Obradović R., Popkonstantinović B., Beljin B.: Algorithm for Approximation Transitional Developable Surfaces Betweeen two Polygons, rad je u štampi, Technics Technologies Education Management / TTEM, 2012, Vol. 7, No 4, ISSN 1840-1503
5.	Obradović R., Petter O., Vidaković M., Popkonstantinović B., Popović B., Milojević Z.: Using Contemporary 3D Web Technologies in the Process of CAD Model Design (prihvaćen za objavljivanje u 2013), Technics Technologies Education Management, 2013, Vol. 8, No 1, 2/3, ISSN 1840-1503
6.	Obradović R., Vujanović M., Popkonstantinović B., Šiđanin P., Beljin B., Kekeljević I.: Fine Arts Subjects at Computer Graphics Studies at the Faculty of Technical Sciences in Novi Sad, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 1, ISSN 1840-1503
7.	Obradović R., Obradović M., Mišić S., Popkonstantinović B., Petrović M., Malešević B.: Investigation of Concave Cupolae Based Polyhedral Structures and Their Potential Application in Architecture, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 3, ISSN 1840-1503
8.	Milojević Z., Navalušić S., Obradović R., Milankov M., Dragoi M., Beju L.: System for 3D Approximate Model Generation of the Femur and Screw Built into Human Knee, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 1, pp. 73-78, ISSN 1583-7904
9.	Obradović R.: The Plane Section of the Surface of Revolution, Facta universitatis - series: Architecture and Civil Engineering, 2005, Vol. 3, No 2, pp. 235-242, ISSN 0354–4605, UDK: 514.752.2:681.3.06(045)=20
10.	Obradović R., Milojević Z.: Plane section of cone and cylinder in computer geometry, Facta universitatis - series: Architecture and Civil Engineering, 2005, Vol. 2, No 3, pp. 195-207, ISSN 0354–4605

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

Quotation total :	50			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	0	International :	1

Science, arts and professional qualifications

Name and last name:	Oros V. Đura
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.11.1982
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Electroenergetics
Magister thesis	1997	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Bachelor's thesis	1982	Faculty of Technical Sciences - Novi Sad	Electroenergetics

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

	ID	Course name	Study programme name, study type
1.	H361	Control of Electrical Drives	(H00) Mechatronics, Undergraduate Academic Studies
2.	M109	Electric Machines and Power Electronics	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, 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
3.	M112	Electrical Engineering and Electric Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	E2315	Electrical Machines in Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EE419A	Testing of electrical machines	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EE421A	Electrical Design and Calculation Software	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	ZR405A	Protection from the harmful effects of electricity in the application of power converters	(Z01) Safety at Work, Undergraduate Academic Studies
8.	ZR43A	Health and safety regulations in electrical systems	(Z01) Safety at Work, Undergraduate Academic Studies
9.	EE534	Special Electric Motor Drives	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	M2541	Occupational Safety and Protection in Operation with Machinery	(M22) Mechanization and Construction Engineering, Master Academic Studies
11.	GS016	Lighting in Buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
12.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies
13.	ZRD236	State and development of health and safety at work in the field of electrical engineering	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Vasić V., Marčetić D., Oros Đ.: Prediction of Local Instabilities in Open-loop Induction Motor Drives, COMPEL - The international journal for computation and mathematics in electrical engineering, 2010, Vol. 29, No 3, ISSN 0332-1649
2.	Đura V. Oros, Veran V. Vasić, Darko P. Marčetić: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components and Systems, 2008, Vol. 36, No. 12, str. 1318- 1336, ISSN 1532-5008.
3.	Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445
4.	Reljić D., Vasić V., Oros Đ.: Power factor correction and harmonics mitigation based on phase shifting approach, 15. International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia, pp. DS3b.12-1 - 12-8, ISBN: 978-1-4673-1971-3, IEEE catalog number CFP 1234A-USB
5.	Dumnić B., Oros Đ., Milićević D., Matić D., Vasić V.: Vector Control of Induction Generator with Parallel Stator Resistance and Rotor Speed Estimation, 31. Power Electronics, Intelligent Motion, Power Quality PCIM, Nuremberg: Mesago PCIM Gmbh, 4-6 Maj, 2010, pp. 608-612, ISBN 978-3-8007-3229-6
6.	Vasić V., Marčetić D., Oros Đ., Kulić F.: Prediction of local instabilities caused by inverter dead time in AC drive, 13. European Conference on Power Electronics and Applications, Barselona, 8-10 Septembar, 2009, ISBN 9789075815009
7.	Francuski Lj., Kulić F., Dumnić B., Oros Đ.: Fuzzy PI Controller for Vector Control of Induction Machine, 9. NEUREL- Symposium on Neural Network Applications in Electrical Engineering, Beograd: IEEE SCG Section, CAS - SP Chair, 25-27 Septembar, 2008, pp. 207-210, ISBN 978-1-4244-2903-5
8.	Reljić D., Vasić V., Oros Đ.: Power Quality Considerations of Variable Speed AC Drives, A Simulation Study, Paper No. T6-2.4, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
9.	Reljić D., Milićević D., Adžić E., Dumnić B., Grabić S., Porobić V., Vekić M., Ivanović Z., Katić V., Vasić V., Marčetić D., Oros Đ., Čorba Z.: Modern Laboratory Tools for Experimental Research in the Field of Electric Drives, 15. International Symposium on Power Electronics Ee, Novi Sad: Društvo za energetsku elektroniku-Novi Sad, Elektrotehnički institut "Nikola Tesla"-Beograd, Fakultet tehničkih nauka-Novi Sad, 28-30 Oktobar, 2009, pp. 1-5, ISBN 978-86-7892-208-4
10.	Ostojić D., Vasić V., Dujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005

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

Quotation total :	3			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Pantović B. Jovanka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	13.06.1993
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010		Mathematics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1996	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1991	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E145	Operations Research	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	H203	Mathematics 3	(H00) Mechatronics, Undergraduate Academic Studies
6.	IAM002	Discrete and Combinatorial Methods for Computer Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	S053N	Operations research	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	0M512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
11.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
13.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M22	Multiple-Valued Logic	(OM1) Mathematics in Engineering, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
15.	D0M23	Clone Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
17.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies
18.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Gilezan S., Pantović J., Žunić J.: Partitioning Finite d-Dimensional Integer Grids with Applications, chapter in: Approximation Algorithms and Metaheuristics (editor: T. F. Gonzalez)., Chapman
2. Ghilezan S., Pantović J., Žunić J.,Separating points by parallel hyperplanes - characteization problem, IEEE Transactions on Neural Networks, 2007, Vol. 18, No. 5, 1356-1363.
3. Mariangiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantovic, Daniele Varacca: Security types for dynamic web data. Theor. Comput. Sci, 2008, 402(2-3): 156-171
4. Pantović J., Vojvodić D., On the cardinality of nonfinitely based functionally complete algebras, Algebra Universalis, Vol. 43, No. 4, 2000, 369-374.
5. Pantović J., Tošić R., Vojvodić G., The cardinality of functionally complete algebras on a three element set, Algebra Universalis, Vol. 38, No.2, 1997, 136-140.
6. Pantović J., Machida H., Rosenberg I.: Regular sets of operations, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 19, No 1-3, pp. 149-162, ISSN 1542-3980
7. Machida H., Pantović J.: Three classes of maximal hyperclones, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 18, No 2, pp. 201-210, ISSN 1542-3980
8. Pantović J., Machida H.: Maximal hyperclones on E2 as hypercores , Journal of Multiple Valued Logic and Soft Computing, 2009, pp. 1-13, ISSN 1542-3980
9. Pantović J., Tošić R., Vojvodić G., Relative completeness with respect to two unary functions, Discrete Applied Mathematics, Vol.113 (2-3), 2001, 337-342.
10. Marinagiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantović, Security types for dynamic web data, Proceedings of Trustworthy Global Computing, Lecture Notes in Computer Science, 2007, Vol. 4661, str. 263-280.

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

Quotation total :	30			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	2	International :	3

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Papić M. Zoran
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1993
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Traffic Systems
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S0433	Traffic Accidents Expertise	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0435	Parking and Public Parking Garages	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0440	Traffic Terminal Servers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	M2549	ROAD TRAFFIC FORENSIC ENGINEERING	(M22) Mechanization and Construction Engineering, Master Academic Studies
5.	S0I53F	Forensic Engineering in Traffic	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0MI4N	Behaviour processes in traffic engineering	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	SDI24	Road Safety Measures	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSSB2	Behavioural models in traffic safety	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Analiza savremenih metoda i mogućnosti njihove primene za utvrđivanje sudarnih brzina kod ekspertiza čeonih sudara automobila, magistarska teza, Fakultet tehničkih nauka, Novi Sad, 1998.
2.	Analyze of Changes in Exterior Dimensions of Cars During Collison with Fixed Barriers, Mobility & Vehicle Mechanics, Vol. 23, No.1, Kragujevac, 1997.
3.	Analyses of Car Body Deformable Behaviour in Frontal Off-Set Collision, "MOTAUTO '97", Proceeding Vol.2, Russe, Bulgaria, 1997.
4.	An Analytical approach to determination of the impact speed in frontall passenger car collisions, "MOTOATO 98", Proceeding Vol. III, Sofia october 1998.
5.	Determination of some vehicle parametars necessary for vehicle crash expertise using impulse-balance method, "MOTAUTO' 99", Proceeding Vol. II, Plovdiv, 1999.
6.	Application of Marquard Equations in Vehicle Crash Expertise, "MOTAUTO '01", Proceeding Vol. II, Varna October 2001.
7.	Analiza intenziteta usporenja vozila bez upotrebe radne kočnice, VIII Simpozijum sa međunarodnim učešćem "Prevencija saobraćajnih nezgoda na putevima 2004", Novi Sad, Oktobar 2006.
8.	Ispitivanje pouzdanosti primene kočionog koeficijenta za utvrđivanje brzine kretanja vozila", VII Simpozijum sa međunarodnim učešćem "Prevencija saobraćajnih nezgoda na putevima 2004", Novi Sad, Oktobar 2004.
9.	Uticaj uličnog parkiranja na kapacitet gradskih saobra}ajnica, časopis Tehnika 08/2006, Beograd, 2006.
10.	Prilog istraživanju manevra bočnog izmicanja vozila za potrebe ekspertiza saobraćajnih nezgoda

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Pejić V. Dragan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1995
Scientific or art field:	Electrical Measurements

Academic carieer	Year	Institution	Field
Academic title election:	2011		Electrical Measurements
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Electrical Measurements

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

	ID	Course name	Study programme name, study type
1.	E130	Electrical Measurements	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	E130A	Electrical Measurements	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E140	Measuring in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	E142	Measuring Instruments	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EIEKI	Electronic Components in Instrumentation	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EIEMER	Electronic measurements	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	EIPMS1	Design and development of industrial devices and measurement systems 1	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	EIPMS2	Design and development of industrial devices and measurement systems 2	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	EIPR1	Laboratory practicum	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	MR0ULR	Introduction to laboratory practice	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
11.	BMIM5B	Design and development of medical devices and systems	(BM0) Biomedical Engineering, Master Academic Studies
12.	EIMIO	Measurement systems in industrial environment	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Pejić D., Vujičić V.: Accuracy Limit of High-Precision Stochastic Watt-Hour Meter, IEEE Transaction on Instrumentation and Measurement, 2000, Vol. 49, No 3, pp. 617-620
2. Vujičić V., Milovančev S., Pešaljević M., Pejić D., Župunski I.: Low Frequency Stochastic True RMS Instrument, IEEE Transaction on Instrumentation and Measurement, 1999, Vol. 48, No 2, pp. 467-470
3. Antić B., Pejić D.: A Measuring System for Supervision of the Rail Welding Machine PRSM-4 No. 083, Journal of Automatic Control, 2006, Vol. 16, No 1, pp. 9-12, UDK: 621.3-52
4. Pejić D.: Stohastičko merenje električne snage i energije, Novi Sad, FTN, 2010
5. D. Pejić, P. Sovilj, M. Urekar, V. Vujičić, Lj. Župunski, Uticaj zajedničkog napona na merenje biomedicinskog p300 potencijala, Zbornik radova 56. konferencije za ETRAN, Zlatibor, 11. – 14.6. 2012, pp. ML1.9-1-4, ISBN 978-86-80509-67-9

Representative refferences (minimum 5, not more than 10)

6.	Pejić D., Urekar M., Vujičić V., Avramov-Zamurović S.: Comparator offset error supression in stochastic converters used in a Watt-Hour Meter, 1. Conference on Precision Electromagnetic Measurements - CPEM 2010, Daejeon, 13-18 Jun, 2010, pp. 235-236, ISBN 978-1-4244-6794-5
7.	Pejić D., Urekar M., Crnojakić M., Župunski I., Vujičić V.: ETALONSKO BROJILO ELEKTRIČNE ENERGIJE, 4. Kongres metrologa, Zlatibor: Kongres metrologa, 24-26 September, 2007
8.	Antić B., Pejić D.: Merni sistem za nadzor mašine za zavarivanje šina PRSM-4 br.083, 50. ETRAN, Beograd, 6-9 Jun, 2006
9.	Pejić D.: Višekanalno merenje faktora izobličenja, Novi Sad, 1997
10.	Mitrović Z., Pejić D., Župunski I., Urekar M., Milovančev S., Vujičić V.: Metoda merenja aktivne snage u složenoperiodičnom režimu, 2011

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:	Pjevalica U. Nebojša
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.08.1997
Scientific or art field:	Electrical Measurements

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Electrical Measurements

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

	ID	Course name	Study programme name, study type
1.	E130	Electrical Measurements	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	E227A	Logic Design of Computer Systems 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E244	Selected Chapters in Physical Architecture Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	BMI115	Biomedical Engineering in Cognitive Neuroscience	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	EI410	Biophysics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EIMET	Metrology	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	BMIM5A	Virtual measurement instrumentation in biomedicine	(BM0) Biomedical Engineering, Master Academic Studies
8.	BMIM5B	Design and development of medical devices and systems	(BM0) Biomedical Engineering, Master Academic Studies
9.	BMIM5D	Magnetic-Resonance Devices in Biomedicine	(BM0) Biomedical Engineering, Master Academic Studies
10.	BMIM5E	Distributed measurement and acquisition systems in biomedicine	(BM0) Biomedical Engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1. A.Kozarev, N. Pjevalica, V. Macar, D. Roncevic, O. Varga-Silberholc, "Some Issues in Multimedia/B-ISDN Based Telecommunication Network Evolution - General Model", Telsiks"97, Vol2, pp.425-428, Nis, Yugoslavia 1997.
2. A.Kozarev, M. Nikolic, D. Milidrag, N. Pjevalica, "An Integrated Approach to Public Telecommunication Network in Multimedia/B-ISDN Environment", Telsiks"97, Vol2, pp.421-424, Nis, Yugoslavia 1997.
3. D. Zrilic, N. Pjevalica, "Frequency Deviation Measurement Based on Two - Arm Delta - Sigma Modulated Bridge", IMTC2001 IEEE Instrumentation and Measurement Technology Conference, pp.756-760, Budapest, Hungary 2001.
4. D. Zrilic, N. Pjevalica, "Stochastic Signal Processing Using Delta - Sigma Modulation", Proceedings of the Fifth Biannual World Automation Congress WAC 2002, Vol 14, pp653-658, Orlando, Florida, USA 2002.
5. B. Antić, N. Pjevalica, A New Approach to Power Grid Measurements - Measuring in Frequency Domain, JUKO CIRED 2006, Zlatibor 17.-20. oktobar.
6. Djuro G. Zrilic, Nebojsa U. Pjevalica, "Frequency Deviation Measurement Based on Two-Arm D-S Modulated Bridge" IEEE Transactions on instrumentation and measurement, vol. 53, no.2, april 2004, pp.293-299.
7. N. Pjevalica, V. Pjevalica, "Merenja na visokonaponskoj distributivnoj mreži primenom digitalnih mernih pretvarača", Simpozijum o merenjima i mernoj opremi, Zbornik radova, knjiga prva, pp505-513, Beograd, Yugoslavia,1998.

Representative refferences (minimum 5, not more than 10)	
8.	V. Vujičić, N. Pjevalica, "Stohastička realizacija digitalnih filtara", D.O.G.S. 2000 zbornik radova, pp.60-63, Novi Sad, Yugoslavia 2000
9.	N. Pjevalica, "Digitalno merilo efektivne vrednosti", Kongres metrologa Jugoslavije 2000, (CD-ROM zbornik radova), Novi Sad, Yugoslavia 2000.
10.	J. Tomić, N. Pjevalica, Integrisano merilo harmonika, Kongres metrologa, Beograd, 2005 godina.

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Prša A. Miroslav
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	29.09.1975
Scientific or art field:	Theoretical Electrotechnics

Academic carieer	Year	Institution	Field
Academic title election:	2010		Theoretical Electrotechnics
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1974	Faculty of Natural Sciences and Engineering - Ljubljana	Electrical and Computer Engineering
Bachelor's thesis	1971	Faculty of Natural Sciences and Engineering - Ljubljana	Electrical and Computer Engineering

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

	ID	Course name	Study programme name, study type
1.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	M112	Electrical Engineering and Electric Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (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
3.	Z107	Electrical Engineering, Environment and Protection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
5.	EM511	Quantum and Organic Electronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1. M. Prša, "Kožni pojav v premem vodniku pravokotnega prereza (Površinski efekat u pravom provodniku pravougaonog poprečnog preseka)", magistarska teza, Fakulteta za elektrotehniko, Ljubljana, 1974.
2. M. Prša, "Prilog analizi i optimizaciji cikličnog pretvaranja energije u magnetskim kolima sa promenljivom reluktansom", doktorska teza, Fakultet tehničkih nauka, Novi Sad, 1986.
3. M. Prša , K. Kasaš-Lažetić , V. Bajović: Determination of Earth Impedance, PSU-UNS International Conference on Engineering and Environment – ICEE - 2007, Phuket, Tailand: 10 i 11 Maj, 2007.
4. M. Milutinov, A. Juhas, M. Prša: Electric Field of Three-Phase Power Line Systems, PSU-UNS International Conference on Engineering and Environment – ICEE - 200, Phuket, Thailand: 10, 11 maj, 2007.
5. D. Herceg , B. Vujičić, Miroslav Prša: Determination of EM field and induced EMF of Voltage Measuring Trnasformer, 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5. Septembar, 2007.
6. M. Milutinov , A. Juhas, M. Prša: Electric Field Strength and Pplarization of Multi Three-Phase Power Lines , 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5., Septembar, 2007.
7. M. Prša , K. Kasaš-Lažetić: An Accurate Determination of Current Distribution within the Earth, 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5. Septembar, 2007.
8. M. Prša: Osnovi elektrotehnike za studente neelektrotehničkih fakulteta, Novi Sad, Stylos, 1995. 248 str.
9. M. Prša, L. Juhas: Osnovi elektrotehnike za studente neelektrotehničkih fakulteta - zbirka zadataka, Novi Sad, FTN - Edicija Tehničke nauke, 2001. 178str., ISBN 86-80249-45-9.

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Simeunović M. Milan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.03.1998
Scientific or art field:	Transport Organization and Technology

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Transport Organization and Technology
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Traffic Engineering

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

	ID	Course name	Study programme name, study type
1.	S0432	Traffic Flow Theory	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies
2.	S0436	Urban Public Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0441	Urban Public Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S051	Traffic Design	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S0I591	Quality System in Road Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I592	Project Evaluation	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0I594	Traffic Forecasts	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0MJ4	Planning of Public transport	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	SOP2	Transportation Demand Management	(S00) Traffic and Transport Engineering, Master Academic Studies
10.	SDI6	Optimization of the Goods Transportation Process	(OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
11.	SDI7	Passenger Transport Process Optimization	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSK3A	Research and simulation of road traffic flow	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Pavle Gladović, Milan Simeunović, Sistemi javnog autotransporta robe, Fatkultet tehničkih nauka, 2004.
2. Simeunović M., Leković M., Bogdanović V., Papić Z., Pitka P.: The application of a five-regime model in adaptive traffic control, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 1.2/3, ISSN 1840-1503
3. Simeunović M., Leković M., Papić Z., Pitka P.: The influence of vehicle headway irregularity in public transport on in-vehicle passenger comfort, Scientific Research and Essays, 2012, Vol. 7, No 32, pp. 2874-2881, ISSN 1992-2248
4. Simeunović M., Leković M., Radojković M., Pitka P.: The Information System "Isput" for Monitoring and Controlling Transport, Suvremeni promet, 2011, pp. 65-69, ISSN 0351-1898, UDK: 343.346:614.8
5. Pavle Gladović, Milorad Eskić, Milan Simeunović, 16. Geometrijski model upravljanja procesom preventivnog održavanja fuzzy logikom, Časopis "TEHNIKA", br. 4/5 Beograd 2003, str 7-17.
6. Pavle Gladović, Milan Simeunović, Milica Miličić, Kvalitet usluge u drumskom transportu, Časopis Saveza inženjera i tehničara "TEHNIKA" br.3, str 113-120, Beograd 2004.
7. Milan Simeunović, Vreme čekanja kao parametar kvaliteta prevozne usluge u javnom prevozu putnika, str. 245-251 10th International Conference DEPENDABILITY AND QUALITY MANAGEMENT ICDQM-2007 Belgrade, Serbia, 13-14 June 2007.
8. Milomir Veselinović, Milan Simeunović, Ravnomernost intervala u funkciji kvaliteta usluge u javnom prevozu, "SAVREMENE STRATEGIJE UNAPREĐENJA SAOBRAĆAJA U GRADOVIMA, Novi Sad, 18–19. X.2007
9. Milomir Veselinović, Milan Stanisaljević, Milan Simeunović, Značaj železnice u raspodeli putovanja po podsistemima u javnom gradskom i prigradskom prevozu putnika, JUŽEL, Vrnjačka Banja, 1999. str 533-536

Representative refferences (minimum 5, not more than 10)	
10.	Pavle Gladović, MIlan Simeunović, Milica Miličić, Zahtevani kvalitet usluge sistema javnog gradskog i prigradskog prevoza putnika, 10th International Conference DEPENDABILITY AND QUALITY MANAGEMENT ICDQM-2007 Belgrade, Serbia, 13-14 June 2007.str 269-275

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Simić S. Dragan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.03.2009
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2004	Faculty of Sciences - Novi Sad	Informatics and Computing
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Informatics and Computing
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Electronics and Telecommunications

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

	ID	Course name	Study programme name, study type
1.	S01321	Information technology basics	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S024N	Information technologies in transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I598	E-Logistics	(S00) Traffic and Transport Engineering, Master Academic Studies
4.	BMIM4E	Data analysis in clinical research	(BM0) Biomedical Engineering, Master Academic Studies
5.	S0M22	PROJECT MANAGEMENT	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	SI593	Information systems for managing Enterprise resource planing	(S01) Postal Traffic and Telecommunications, Master Academic Studies
7.	DSA00	Logistics of Heterogeneous Intensive Processes	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSIM9	E-logistics	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSN1	Logistics Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
10.	DSSL2	Selected topics from inventory management	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSL3	Warehause and storage	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSL4	Logistics information systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Dragan Simić, Ilija Kovačević, Svetlana Simić, "Insolvency prediction for assessing corporate financial health". Logic Journal of the IGPL, Vol. 20, Num 3, pp. 536-549 (2012) ISSN 1367-0751
2.	Svetlana Simić, Dragan Simić, Milan Cvijanović. "Clinical and socio-demographic characteristics of tension type headache in working population". HealthMED – Vol. 6, Num. 4, 2012. pp. 1341-1347. ISSN: 1840-2991
3.	Simić Svetlana, Simić Dragan: "Relationship between sociodemographic characteristics and migraine in working women". HealthMED, Vol. 4, Num. 1 (2010) pp. 21-28
4.	Dragan Simić, Svetlana Simić, ”An approach to efficient business intelligent system for financial prediction”, In: Mu-Yen Chen (ed.) ”Soft Computing¬” Vol. 11, Num 12, October 2007, pp. 1185-1192, Springer-Verlag, Berlin Heidelberg (2007). ISSN 1432-7643
5.	Dragan Simić, Zoran Budimac, Vladimir Kurbalija, Mirjana Ivanović, Case-Based Reasoning for Financial Prediction, In: Moonis Ali, Floriana Esposito (eds.) ”Innovations in Applied Artificial Intelligence”, LNAI vol. 3533, pp. 839-841. Springer-Verlag, Berlin Heidelberg (2005). ISSN 0302-9743
6.	Dragan Simić, Svetlana Simić, ”Hybrid Artificial Intelligence Approaches on Vehicle Routing Problem in Logistics Distribution”,"Hybrid Artificial Intelligent Systems", LNAI, vol. 7208, pp. 208-220. Springer-Verlag Berlin Heidelberg (2012), DOI: 10.1007/978-3-642-28942-2_19, ISSN 0302-9743
7.	Dragan Simić, Dragana Milutinović, Svetlana Simić, Vesna Suknjaja:”Hybrid Patient Classification System in Nursing Logistics Activities”. "Hybrid Artificial Intelligent Systems", LNAI vol. 6679, pp. 421-428. Springer-Verlag, Berlin Heidelberg (2011). ISSN 0302-9743
8.	Dragan Simić, Svetlana Simić, Ilija Tanackov, "An Approach of Soft Computing Applications in Clinical Neurology", "Hybrid Artificial Intelligent Systems", LNAI vol. 6679, pp. 429-436. Springer-Verlag, Berlin Heidelberg (2011). ISSN 0302-9743
9.	Dragan Simić, Svetlana Simić, "A Review: Approach of Fuzzy Models Application in Logistics", "ADVANCES IN INTELLIGENT AND SOFT COMPUTING", vol. 95, Computer Recognition Systems 4, pp. 717-726, ISSN 1867-5662, ISBN 978-3-642-20319-0, Springer-Verlag Berlin Heidelberg, 2011
10.	Ilija Tanackov, Dragan Simić, Sinisa Sremac, Jovan Tepić, Suncica Kocić-Tanackov: "Markovian Ants in a Queuing System", "Hybrid Artificial Intelligent Systems", LNAI vol. 6076, pp. 32-39. Springer-Verlag, Berlin Heidelberg (2010). ISSN 0302-9743

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

Quotation total :	0

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

Science, arts and professional qualifications

Name and last name:	Spasić T. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1985
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	1993	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	1991	Faculty of Mathematics - Beograd	Mechanics
Bachelor's thesis	1884	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems

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

	ID	Course name	Study programme name, study type
1.	A207	Mechanics	(A00) Architecture, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
2.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
4.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
5.	I600	Industrial Robotics	(F10) Engineering Animation, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	M4302	Biomechanics and mechanics of sport	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	ASO	Introduction to engineering	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
8.	BMI127	Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	BMI128	Continuum Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI96	Mechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44041	Dynamics of non-smooth mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
14.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
15.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies
17.	DM406	Nonsmooth Mechanics and Optimization	(H00) Mechatronics, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

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

	ID	Course name	Study programme name, study type
19.	ZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Doctoral Academic Studies
20.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
21.	DTM02	Theory of impact	(H00) Mechatronics, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
22.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
23.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Spasić D., Glavardanov V.: Does generalized elastica lead to bimodal optimal solutions?, International Journal of Solids and Structures, 2009, Vol. 46, No 14-15, pp. 2939-2949, ISSN 0020-7683
2. Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, No Prihvaćen za štampu, ISSN 0218-1274
3. D. T. Spasic and T. M. Atanackovic (2004), "Bimodal optimization of a compressed rotating rod", Acta Mechanica, 173, N 1-4, 77-87
4. Spasić D.: Optimizing the elctrodynamical stabilization method for a man-made Earth satellite, AUTOMAT REM CONTR , 2011, Vol. 72, No 9, pp. 112-121, ISSN 0005-1179
5. Petrović Lj., Spasić D., Atanacković T.: On a mathematical model of a human root dentin , Dental Materials, 2005, Vol. 21, pp. 125-128, ISSN 0109-5641
6. Mitić G., Spasić D.: Clinical Characteristic and type of thrombophilia in women with pregnancy-related venous thromboembolic disease, GYNECOL OBSTET INVES, 2011, Vol. 72, No 2, pp. 103-108, ISSN 0378-7346
7. T. M. Atanackovic and D. T. Spasic, (2004): "On viscoelastic compliant contact-impact models", Transactions of ASME Journal of Applied Mechanics, 71, 134-138
8. Radovic R., Spasic D.T., Karadzic B., Novakovic B., Atanackovic J., Jelicic Z.. and Tepavcevic B., (2002), ""New challenges and opportunities for the city of Novi Sad"", Coordinated by T. Atanackovic, The Danube Commision of EU and The University of Novi Sad, (monograph 157 pages in English and Serbian)
9. Spasić D.: Boudary elements, theory and applications (English to serbian traslation done by D.T. Spasić), Beograd, Gradjevinska knjiga, 2011
10. BD Vujanović, DT Spasić: Metodi optimizacije: primenjeni varijacioni račun, analitička mehanika, optimalno upravljanje, UNS, 1997.

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

Quotation total :	16			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Stojanović M. Đurđica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	26.01.1996
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Bachelor's thesis	1994	Faculty of Technical Sciences - Novi Sad	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S0212	Freight Forwarding	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0330	Intermodal Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S01552	Freight forwarding in postal traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	LIM31	Reverse and Green logistics	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	LIM01	Fundamentals of Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
6.	LIM03	Technologies of Combined Transport	(LIM) Logistic Engineering and Management, Master Academic Studies
7.	LIM09	External Logistic System Planning	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	LIM11	Supply Chain Design and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
9.	LIM22	Logistic Controlling and Benchmarking	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM23	Logistic Centers	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	LIM24	Urban Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	LIM26	International Logistics and Global Supply Chains	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	DSSL1	Supply chain management	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSL2	Selected topics from inventory management	(S00) Traffic Engineering, Doctoral Academic Studies
15.	DSSL5	Sustainable Logistics	(S00) Traffic Engineering, Doctoral Academic Studies
16.	DSSL6	Logistics outsourcing	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Gajić, V. Cakić, Đ.: „Praktikum iz špedicije – elementi teorije, primeri i zadaci“, izdavač FTN, ISBN 978-86-7892-052-3, Novi Sad, 2007
2.	Stojanović Đ., Gajić V.: Praktikum iz špedicije - elementi teorije, primeri i zadaci, drugo izmenjeno i dopunjeno izdanje, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu , 2010, str. 1-211, ISBN 978-86-7892-300-5, UDK: 656.96(075.8)
3.	Stojanović Đ., Veličković M.: THE IMPACT OF FREIGHT TRANSPORT ON GREENHOUSE GASES EMISSIONS IN SERBIAN CITIES - THE CASE OF NOVI SAD, Metalurgia international, 2012, No 6, pp. 196-201, ISSN 1582-2214
4.	Maslarić M., Stojanović Đ., Nikoličić S.: Serbian intermodal transport system, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2008, Vol. 53, No S4, ISSN 1224-6077
5.	Cakić, Đ., Maslarić, M., Nikoličić, S.: Using the European Intermodal Transport E-marketplace - The Serbian Perspective, International Journal of Strategic Management and Decision Support Systems in Strategic Management, 2008, Vol. 1, No. 1, str. 27- 33, UDK: 005.51; 658.62, ISSN 0354-8414.
6.	Stojanović Đ., Veličković M., Gajić V.: Razvoj ekološki orijentisane urbane logistike, Ekologica, 2012, Vol. 19, No 66, pp. 195-200, UDK: 502.7

Representative refferences (minimum 5, not more than 10)

7.	Tomic I., Stojanović Đ., Maslarić M.: Trends in forwarding industry in Serbia and the role of small and medium forwarding enterprises (SMFEs), 12. XIIth International Symposium "Young people and multidisciplinary research", Timisoara: Association for Multidisciplinary Research of the West Zone of Romania, 11-12 Novembar, 2010, pp. 50-55, ISBN 1843-6609
8.	Veličković M., Stojanović Đ., Basarić V.: An approach to city logistics terminal location problem in Novi Sad, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2011, ISSN 1224-6077
9.	Ilin V., Stojanović Đ., Gajić V.: The characteristics of reverse logistics in small and medium enterprises (SMEs) in Novi Sad, 11. International Conference on Industrial Logistics, Zadar: Faculty of Mechanical Engineering and Naval Architecture, 14-16 Jun, 2012, pp. 376-383, ISBN 978-953-7738-16-7
10.	Logistički autsorsing, FTN, 2012 (dato na recenziju)

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

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

Science, arts and professional qualifications

Name and last name:	Stojić S. Gordan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2008
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	2003	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies

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

	ID	Course name	Study programme name, study type
1.	S015A	Knowledge of Goods in Transport 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0323	Railway Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S0328	Organization of Railway Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I5N2	Urban-Suburban Rail Transport of Passengers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I52Ž	Technology of Railway Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0M4	Modelling of Traffic and Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	DSSO1	Selected Chapters of Railway Safety	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSO5	Optimization Methods and Technology Capacity in Rail Transport	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSO6	Rail Transport Logistics	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Stojić, G., Vesković, S., Tanackov, I., Milinković, S.: Model for Railway Infrastructure Management Organization, Promet – Traffic&Transportation (IF=0,177), Vol. 24, No. 2, 2012, pp. 99-107, ISSN: 1848-4069
2.	Stojić, G.: Using Fuzzy Logic for Evaluating the Level of Countries' (Regions') Economic Development, Panoeconomicus (IF=0,396), Volume 59, Issue 3, 2012, pp. 293-310, doi:10.2298/PAN1203293S
3.	Dimanoski, K., Stojić, G., Vesković, S., Branović, I.: Model za determinisanje kvaliteta usluga u putničkom železničkom prevozu, III međunarodni simpozijum „Novi horizonti saobraćaja i komunikacija 2011", str. 43-47, ISBN 978-99955-36-28-2, Doboj, Bosna i Hercegovina, 24.-25. Novembar, 2011.
4.	Dimanoski, K., Stojić, G., Vesković, S., Tanackov, I.: Model for Dimensioning Technology and Capacity of Border Railway Stations, Promet – Traffic&Transportation (IF=0,177), Vol. 24, No. 5, 2012, pp. 371-379, ISSN: 1848-4069
5.	Vesković, S., Tepić, J., Ivić, M., Stojić, G., Milinković, S.: Model for Predicting the Frequency of Broken Rails, Metalurgija (IF=0,348), Croatian Metallurgical Society, Vol.51., No.2, April/June 2012, pp. 221-224, ISSN: 0543-5846
6.	Tepić, J., Todić, V., Tanackov, I., Lukić, D., Stojić, G., Sremac, S.: Modular system design for plastic euro pallets, Metalurgija (IF=0,348), Croatian Metallurgical Society, Vol.51., No.2, April/June 2012, pp. 241-244, ISSN: 0543-5846
7.	Vesković, S., Đorđević, Ž., Ivić, M., Stojić, G., Tepić, J, Tanackov, I.: Necessity and effects of dynamic system for railway wheel defect detection, Metalurgija (IF=0,348), Croatian Metallurgical Society, Vol. 51, No.3, pp. 333-336, 2012, ISSN: 0543-5846
8.	Stojić, G., Tanackov, I., Vesković, S., Milinković, S. and Simić, D.: Modelling Evaluation of Railway Reform Level Using Fuzzy Logic, Lecture Notes in Computer Science/Lecture Notes in Artificial Intelligence, Springer Berlin/Heidelberg, Volume 5788/2009, pp. 695-702, September 2009. ISSN: 0302-9743
9.	Vesković, S., Raičević, V., Stojić, G., Milinković, S.: Model to Estimate the Passenger Rail Liberalisation: The Case of Serbia, International Journal for Traffic And Transport Engineering (IJTTE), Issues / VOLUME 2 (3), 2012, pp. 202-220, DOI: 10.7708/ijtte.2012.2(3).04 ISSN 2217-544X

Representative refferences (minimum 5, not more than 10)

10.	Tepić, J., Tanackov, I., Stojić, G.: Ancient Logistics – Historical Timeline and Etimology, Technical Gazette (IF=0,083), Scientific-professional Journal of Technical Faculties of University in Osijek, Vol. 18 No. 3, September 2011, pp. 379-384, ISSN 1330-3651

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

Quotation total :	3			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Šafranj F. Jelisaveta
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.10.2000
Scientific or art field:	English

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	English
PhD thesis	2008	Faculty of Philology - Beograd	English
Magister thesis	2000	Faculty of Philology - Beograd	English
Education Specialist Thesis	1994	Faculty of Philology - Beograd	English
Bachelor's thesis	1982	Faculty of Philosophy - Novi Sad	English

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

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

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

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

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

Name and last name:	Štulić B. Radovan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.1990
Scientific or art field:	Geometric Space Theory and Interpretation in Architecture and Urbanism

Academic carieer	Year	Institution	Field
Academic title election:	2006	University of Novi Sad - Novi Sad	Geometric Space Theory and Interpretation in Architecture and Urbanism
PhD thesis	1997	Faculty of Architecture - Beograd	Geometric Space Theory and Interpretation in Architecture and Urbanism
Magister thesis	1994	Faculty of Architecture - Beograd	Geometric Space Theory and Interpretation in Architecture and Urbanism
Bachelor's thesis	1990	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics

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

	ID	Course name	Study programme name, study type
1.	A102	Descriptive Geometry 2	(A00) Architecture, Undergraduate Academic Studies
2.	A183	Geometry and Visualization of Free Forms	(A00) Architecture, Undergraduate Academic Studies
3.	A555	Perspective	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	AD06	Descriptive Geometry 1	(A00) Architecture, Undergraduate Academic Studies
5.	GG03	Descriptive Geometry	(G00) Civil Engineering, Undergraduate Academic Studies
6.	GI104	Descriptive Geometry in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	Z418	Geometry of Eco-spatial Visualization	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	IA007	Geometry and Visualization of 3D Space	(F10) Engineering Animation, Undergraduate Academic Studies
10.	IA015	Application of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
11.	ASO5	Descriptive Geometry with Perspective 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
12.	ASO9	Descriptive Geometry with Perspective 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
13.	A116DS	Modern techniques of the geometric space representation	(A00) Architecture, Specialised Academic Studies (GI0) Geodesy and Geomatics, Specialised Academic Studies
14.	A118SB	Geometric theories in architectural structures' generation	(A00) Architecture, Specialised Academic Studies
15.	AD0013	Theory of curves and surfaces	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
16.	A116B	Geometric Theories in Architectural Structures' Generation	(A00) Architecture, Doctoral Academic Studies
17.	A116E	Modern techniques of the geometric space representation	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Štulić R., Obradović R.: Ideal Shape of a Non-stressed Piston Ring, Agricultural Engineering 1 (1995) 3-4, pp. 78-83.
2. Štulić R.: Space Restitution of a Birational Qudratic Transformation, Proceedings of the 8th ASEE International Conference on Engineering Computer Graphics and Descriptive Geometry, Austin Texas, USA, 1998. Vol. 3, pp. 707-711.
3. Miljković N., Štulić R., Ercegan G., Jandrić Z.: Computer Aided Evaluation of Total Hip Prosthesis Stability, ISGG ASEE Journal for Geometry and Graphics, Volume 2 (1998), No. 2, pp. 141-149
4. Štulić R., Bajkin J., Milojević Z.: Generalisation of Sphere Polarity to Contour Line Determination and Shading of Surfaces of Revolution, Facta Universitatis, Series for Arrchitecture and Civil Engineering, Vol. 2., No.1, 1999., pp. 31-40.

Representative refferences (minimum 5, not more than 10)

5.	Štulić R., Jandrić Z., Milojević Z.: Polar Cylinders of Surfaces of Revolution: Contour Line Determination, Journal for Mathematics, Vol. XXIX, NO. 3, (1999), pp. 349-356 .
6.	Dovniković L., Štulić R.: Uniform Constructions of the Rational 4th Order Parabolas, Zbornik Matice srpske za prirodne nauke (Matica srpska Proceedings for Natural Sciences), No.99, 2000, pp. 5-18.
7.	Štulić R., Dovniković L.: The Importance of Proper Graphics Education for Engineering Students, Proceedings of the 6th International Symposium, Interdisciplinary Regional Research, Novi Sad, 2002, CDROM 0505
8.	Štulić R., Sdroulias I.: On Particularities of Space Restituted Birational Quadratic Transformation, Proceedings of the 10th International Conference on Geometry and Graphics, Kiev, Ukraine, 2002, pp.74-78.
9.	Štulić R., Atanacković J.: Implementation of Computer Technologies In Descriptive Geometry Teaching: Surfaces of Revolution, Facta Universitatis, Vol. 2, No 5, 2003., pp. 379-385.
10.	Nikolić D., Štulić R., Šiđanin P.: On the Flexibility of Deployable Dome Structures and their Application in Architecture, Proceedings of the 1st International Conference on Architecture & Urban Design. Tirana, Albania, 2012. pp.1053-1062.

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Tanackov J. Ilija
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	20.08.1996
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2004	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems

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

	ID	Course name	Study programme name, study type
1.	S015A	Knowledge of Goods in Transport 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0323	Railway Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	URZP36	Risks in Manipulating Hazardous Substances	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	S01551	Fundamentals of air transport.	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0M22	PROJECT MANAGEMENT	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0M4	Modelling of Traffic and Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	SDI25	Management of the Processes in Railway Vehicles Exploitation and Maintenance	(S00) Traffic Engineering, Doctoral Academic Studies
10.	SDI26	Experimental Research in the Mechanics of Railway Vehicle Movement	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSL3	Warehause and storage	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSO1	Selected Chapters of Railway Safety	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSO2	Logistic systems	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSO5	Optimization Methods and Technology Capacity in Rail Transport	(S00) Traffic Engineering, Doctoral Academic Studies
15.	DSSO6	Rail Transport Logistics	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Mirko Vlahović, Ilija Tanackov; Poznavanje robe u transportu, IP Vaša knjiga, Bijelo Polje, 2005
2. Đorđe Kopić, Ilija Tanackov; Zbirka rešenih zadataka iz tehnologije železničkog saobraćaja, FTN Izdavaštvo, Novi Sad, 2004
3. Tepić J., Tanackov I., Stojić G., Sremac S.: Poznavanje robe u transportu 2, Novi Sad, Fakultet tehnickih nauka, 2012
4. J. Pejin, O. Grujic, S. Markov, S. Kocic-Tanackov, I. Tanackov, D. Cvetkovic, M. Djurendic; Application of GC/MS method using SPE columns for quantitative determination of diacetyl and 2,3-pentanedione during beer fermentation, J. Am. Soc. Brew.Chem., 64 (1), pp. 52-60. 2006.
5. Tepić J., Tanackov I., Stojić G.: Ancient Logistic - Historical Timeline and Etimology, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 3, ISSN 1330-3651
6. Tepić J., Todić V., Tanackov I., Lukić D., Stojić G., Sremac S.: Modular System Design for Plastic Euro Pallets, Metalurgija, 2012, Vol. 51, No 4, ISSN 0543-5846, UDK: 621.824:621.886.6:621.887=111
7. Vesković S., Đorđević Ž., Stojić G., Tepić J., Tanackov I.: Necessity and Effects of Dynamic Systems for Raailway Wheel Defect Detection, METALURGIJA, 2012, Vol. 51, No 2, UDK: 621.824:621.886.6:621.887=111
8. Stojić G., Vesković S., Tanackov I., Milinković S.: Model for Railway Infrastructure Management Organization, Promet - Traffic

Representative refferences (minimum 5, not more than 10)	
9.	Dimanoski K., Stojić G., Vesković S., Tanackov I.: Model for Dimensioning Technology and Capacity of Border Railway Stations, Promet - Traffic
10.	Tanackov I., Tepić J., Kostelac M.: The Golden Ratio in Probablistic and Artificial Intelligence, Tehnički vjesnik/Technical Gazette, 2011, Vol. 19, No 4, pp. 641-647, ISSN 1330-3651, UDK: UDC/UDK 514.112:[519.217 004.896]

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	12			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Tepić Đ. Jovan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.05.2006
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Bachelor's thesis	1984	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Machine Constructions, Transport Systems and Logistics

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

	ID	Course name	Study programme name, study type
1.	S019	Goods transport logistics properties	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0323	Railway Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S0I5N2	Urban-Suburban Rail Transport of Passengers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I5N3	Maintenance and availability of means of transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I7Ž	Towing vehicles and trains	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
6.	S11110	Engineering analysis	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	S0I52Ž	Technology of Railway Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
10.	SDI25	Management of the Processes in Railway Vehicles Exploitation and Maintenance	(S00) Traffic Engineering, Doctoral Academic Studies
11.	SDI26	Experimental Research in the Mechanics of Railway Vehicle Movement	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSO1	Selected Chapters of Railway Safety	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSO5	Optimization Methods and Technology Capacity in Rail Transport	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSO6	Rail Transport Logistics	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Jovan Đ. Tepić: Istraživanje uticaja mase i brzine šinskih vozila na vrednost otpora od krivine, Monografska publikacija, FTN Novi Sad, 2007. godine.
2.	Jovan Đ. Tepić: Šinska vozila, Udžbenik, ISBN 978-86-7892-086-8, FTN Izdavaštvo, Novi Sad, 2007. godine
3.	Jovan Đ. Tepić: Vuča vozova, Udžbenik, FTN Izdavaštvo, Novi Sad, ISBN 978-86-7892-091-2, 2008. godine
4.	Jovan Đ. Tepić: ZBIRKA REŠENIH ZADATAKA IZ ŠINSKIH VOZILA I VUČE VOZOVA, FTN Izdavaštvo, Novi Sad, 2008. godine
5.	Jovan Tepić: Analiza stalnih otpora šinskih vozila određenih metodom graviticionog kretanja, Tehnika, Beograd, 2008, MAŠINSTVO 57 (2008) 6, str. 1 - 6, UDC 629.4.015.017.001.42=861, YU ISSN 0040-2176.
6.	Jovan Tepić, Milan Kostelac: Application of gravitational method by determination of rail vehicles constant resistance, Transactions of FAMENA, Vol. 32, No. 2, Zagreb, 2008, str. 31 – 40, UDK 629.4.077, ISSN 1333-1124.
7.	Tepić, J., Kostelac, M.: Primjena gravitacijske metode kod određivanja stalnih otpora tračničkih vozila, Predavanje po pozivu, Znanstveno-stručno predavanje, Hrvatsko društvo za mehaniku (HDM), Strojarski fakultet, Slavonski Brod, 2009.
8.	Tepić, J.: Metode smanjenja habanja šina lakih šinskih vozila, 11th Internacional Conference on Tribology, SERBIATRIB 09, May 13 – 15, 2009, Belgrade, Serbia, str. 324 - 329, ISBN978-86-7083-659-4.

Representative refferences (minimum 5, not more than 10)

9.	Tepić, J., Kostelac M., Methodology for determining of curving resistance contributions of locomotive's axles, 6th Intrenational Congress of Croatian Society of Mechanich, September 30 - October 2, 2009, Dubrovnik, 2009, str. 100-101. ISBN 978-953-7539-10-8.
10.	Tepić, J., Kostelac M., Analysis of resistance forces on indivdual locomotive parts in track curvature, 26th Danubia-Adria Symposium on Advances in Experimental Mechanics, Montanuniversitat Leoben /Austria, 23rd - 26th September 2009, str. 229-230.

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

Quotation total :	7			
Total of SCI(SSCI) list papers :	14			
Current projects :	Domestic :	2	International :	0

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Uzelac D. Đorđe
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1999
Scientific or art field:	Traffic Paths

Academic carieer	Year	Institution	Field
Academic title election:	2004	Faculty of Technical Sciences - Novi Sad	Traffic Paths
PhD thesis	2000	Faculty of Civil Engineering - Beograd	Traffic Paths
Magister thesis	1987	Faculty of Civil Engineering - Beograd	Traffic Paths
Bachelor's thesis	1974	Faculty of Civil Engineering - Beograd	Traffic Paths

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

	ID	Course name	Study programme name, study type
1.	GG20	Road and Traffic Networks	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GP401	Information System Aided Structure Management	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GP402	Road Structures	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GP403	Selected Chapters in Road Design	(G00) Civil Engineering, Undergraduate Academic Studies
5.	S0326	Roads and Junctions	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
6.	GP502	Bridge Management	(G00) Civil Engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Formiranje relacione baze podataka pomoću INFORMIX-SQL RDBMS, IMS Institut, Beograd, 1992. (181 strana).
2.	Teza: "Razvoj optimalnog sistema za formiranje baze podataka o mreži puteva", Građevinski fakultet, Beograd, 1993.
3.	Toplotni režim i njegov uticaj na mehaničko ponašanje materijala u kolovoznoj konstrukciji
4.	Uzelac Đ. i saradanici: Baza podataka o mostovima, Uputstvo za rad. Fakultet tehničkih nauka, Novi Sad i Direkcija za puteve Republike Srbije, Beograd, oktobar 2003
5.	Uzelac DJ.: Structures and Buildings maintenance management concept with example of bridges on national road network. 9TH National and 3RD International scientific meeting ""INDIS 2003"", Proceedings, University of Novi Sad in cooperation with Yugoslav Engineering Academy, Novi Sad, Novembar 2003, str. 395-406.
6.	Uzelac Đ.: Baze podataka o putevima, mostovima i saobraćaju u okviru integrisanog informacionog sistema o putnoj mreži, Građevinski kalendar 1999. (str. 169-232), Savez građevinskih inženjera i tehničara Jugoslavije, Beograd, novembar 1998.
7.	Uzelac Đ.: Seminar - Upravljanje putevima i sistemi upravljanja, poglavlje II: Informacioni sistem za puteve (strane 32 - 55 (strane 80 - 96), "Srbijaput", mart 1992.godine.
8.	Babić B., Uzelac Đ. i grupa autora: Generalni izveštaj za XIX Svetski kongres za puteve, Jugoslovenski nacionalni izveštaj po "Temi II - Gradjenje i održavanje puteva", (str. 579-596), Marakeš, Maroko, septembar 1991. Đorđe Uzelac je autor odeljka “Analysis of the increased axle load impact on pavement structures”.
9.	Metode za obradu podataka izmerenih deflektografom "Lacroix", "Put i saobraćaj", 7-8/1980, (str. 37-43), Beograd
10.	Problem utvrdjivanja stanja kolovoznih konstrukcija i njihovog prilagodjavanja saobraćaju, "Put i saobraćaj", 3-4/1985 (str. 10-15), Beograd

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Vladić M. Jovan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	12.11.1975
Scientific or art field:	Machine Constructions, Transport Systems and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	1999	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
PhD thesis	1989	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1982	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1974	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	M207A	Computer-Aided Design	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	M2402	Continuous and Automated Transport	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2610	Graphic Communications and CAD	(H00) Mechatronics, Undergraduate Academic Studies
4.	M312A	Fundamentals of Transportation Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	M313A	CAD/CAE Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	S0218	Reload Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	S1218	Reload Logistics	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	ZR407A	Occupational safety in internal transport, reloading and warehouse	(Z01) Safety at Work, Undergraduate Academic Studies
9.	H2504	Transportation and Manipulation Systems	(H00) Mechatronics, Master Academic Studies
10.	M2503	Transport Systems and Devices	(M22) Mechanization and Construction Engineering, Master Academic Studies
11.	M2509A	Automated Machine Designing	(M22) Mechanization and Construction Engineering, Master Academic Studies
12.	M2532	Packaging Machines	(M22) Mechanization and Construction Engineering, Master Academic Studies
13.	LIM12	Transport Technique and Material Flow	(LIM) Logistic Engineering and Management, Master Academic Studies
14.	LIM13	Packaging Techniques and Packaging	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	LIM24	Urban Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
17.	DM213	Contemporary Methods of Designing and Machine Constructing	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DM331	Selected Chapters in Transport and Construction Machines	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DM410	Selected Chapters in Food Processing Machines and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DOM20	Engineering Analysis Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DOM23	Product Development	(M00) Mechanical Engineering, Doctoral Academic Studies
22.	DOM25	Contemporary Procedures for Mobile Machine Designing	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vladić J., Đokić R., Kljajin M., Karakašić M.: Modelling and simulations of elevator dynamic behaviour, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 3, pp. 423-434, ISSN 1330-3651, UDK: 62(05)=163.42=111

Representative refferences (minimum 5, not more than 10)

2.	Vladić J., Malešev P., Šostakov R., Brkljač N.: Dynamic Analysis of the Load Lifting Mechanisms, Strojniski vestnik = Journal of Mechanical Engineering, 2008, No 10, pp. 655-661, ISSN 0039-2480
3.	Vladić J., Đokić R., Živanić D.: Simulations and dynamic models of electrical elevators, 7. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Balatonfured: Faculty of Technical Sciences, 24-26 Maj, 2012, pp. 121-126, ISBN 978-86-7892-399-9
4.	Đokić R., Vladić J., Živanić D.: Design and bases for assembling prefabricated industrial objects, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 189-192, ISBN 978-86-7892-278-7
5.	Vladić J., Đokić R.: Modeling and dynamic analysis as basis for elevators design, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 193-198, ISBN 978-86-7892-278-7
6.	Vladić J., Živanić D., Đokić R., Gajić A.: Analysis and Choice of Prefabricated Industrial Halls Elements , 19. International conference on MATERIAL HANDLING, CONSTRUCTIONS AND LOGISTICS, Beograd: Mašinski fakultet Beograd, 15-16 Oktobar, 2009, pp. 257-260, ISBN 978-86-7083-672-3
7.	Vladić J., Gajić A., Đokić R., Živanić D.: Choice of Optimal Transportation Mechanisation at Open Pit , 6. International Conference "Heavy Machinery" - HM, Kraljevo: Faculty of mechanical engineering Kraljevo, 24-29 Jun, 2008, pp. 63-68, ISBN 978-86-82631-45-3
8.	Vladić J., Živanić D., Đokić R., Gajić A.: Analysis of Material Flows and Logistics Approach in Design of Material Handling Systems, 6. International Conference "Heavy Machinery" - HM, Kraljevo: Faculty of mechanical engineering Kraljevo, 24-29 Jun, 2008, pp. 69-72, ISBN 978-86-82631-45-3
9.	Vladić J., Đokić R.: Dynamic behaviour of elevators and tribological processes in their driving systems, 2. Power Transmissions, Novi Sad: FTN Novi Sad, 25-26 April, 2006, pp. 537-542
10.	Vladić, J.: Računske i eksperimentalne metode za statičku i dinamičku analizu žičara, monografija, 1991., FTN Novi Sad

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

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

Science, arts and professional qualifications

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

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

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

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

Representative refferences (minimum 5, not more than 10)

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Vukajlov D. Ljiljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	28.02.2007
Scientific or art field:	Architectural-Urbanistic Planning, Design and Theory

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory
Magister thesis	1998	Faculty of Architecture - Beograd	Architectural-Urbanistic Planning, Design and Theory
Bachelor's thesis	1987	Faculty of Architecture - Beograd	Architectural-Urbanistic Planning, Design and Theory

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

	ID	Course name	Study programme name, study type
1.	A205	Urban, Rural Analysis and Morphology 1	(A00) Architecture, Undergraduate Academic Studies
2.	A241	Urban/Rural Analysis and Morphology 2	(A00) Architecture, Undergraduate Academic Studies
3.	S0110A	Urban Planning 2	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	URZP21	Risk Management and Sustainable Settlement Development	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	A007S	Razvoj tipologije arhitektonskih objekata - odabrana poglavlja	(A00) Architecture, Specialised Academic Studies
6.	A008S	Development of typology of urban spaces	(A00) Architecture, Specialised Academic Studies
7.	RPR011	Tourism as Regional Development Perspective	(RPR) Regional Development Planning and Management, Master Academic Studies
8.	GS004	Bioclimatic Architecture	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
9.	A118S	Contemporrary technologies applied to architecture and urbanism	(A00) Architecture, Specialised Academic Studies
10.	A118SA	Kulturno nasleđe kao arhitektonski i urbanistički kontekst - odabrana poglavlja	(A00) Architecture, Specialised Academic Studies
11.	AT07D	Principles of Universal Design 2	(AH0) Architecture, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Vukajlov, Lj.: Historical Review of the Interdependence of Settlements and Urban and Rural Blocks, Facta Universitatis, Series Architecture and Civil Engineering Vol. 7. No. 2, 2009. pp.121- 133 DOI: 10.2298/FUACE090212IV UDC 711.43+711.43(091)(045)
2.	Vukajlov, Lj.: "Organizacija urbanog i ruralnog bloka u funkciji obezbeđenja privatnosti stanovanja", Zbornik radova, međunarodni naučnostručni skup „Arhitektura i urbanizam, Građevinarstvo, Geodezija – Juče, Danas, Sutra“, Arhitektonsko - građevinski fakultet, Banja Luka, 2011. str. 423-434
3.	Vukajlov, Lj.: Geometry of Urban and Rural Block Bases in the Towns of Vojvodina and Surrounding Regions, XXV International Conference of Geometry and Graphics moNGeometrija 2010, Belgrade 24-27 June 2010.
4.	Vukajlov, Lj.: "Stručno obrazovanje kao preduslov pristupačne izgradnje", Nacionalna debata "Pristupačnost - preduslov socijalne uključenosti osoba sa invaliditetom i drugih osetljivih grupa, Beograd, 03. 10. 2012.
5.	Vukajlov Lj., Dorić M.: Uticaj urbanog bloka na kvalitet javnog prostora: Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, u: Kurtović-Folić, N., Novi Sad, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, 2011, str. 193-218, ISBN 978-86-7892-254-1 COBISS.SR-ID 262615815
6.	*****Autori: Vukajlov, L. Naziv: Kritička analiza serije urbanih uzoraka i tema Naziv skupa: Agenda 21 unapređenje održivog razvoja
7.	Vukajlov, Lj.: Mogućnost prevencije saobraćajnih nezgoda na putevima urbanističkim i prostornim planiranjem, Prevencija saobraćajnih nezgoda na putevima 96, Novi Sad, 13. i 14. septembar 1996. godine, str. 444 - 450. 614.86.084(082), 656.1/.5.05(082) UDK:711.4
8.	Vukajlov, Lj.: Organizacija urbanih sadržaja u funkciji povećanja bezbednosti saobraćaja, Zbornik radova IV simpozijuma sa međunarodnim učešćem “Prevencija saobraćajnih nezgoda na putevima ‘98”, Novi Sad, 15. i 16.oktobar 1998., str. 429. - 433. UDK:614.862

Representative refferences (minimum 5, not more than 10)	
9.	*****Autori: Vukajlov, L. Naziv: Doprinos urbanizma i prostornog planiranja u sprečavanju saobraćajnih nezgoda na putevima Naziv skupa: Strategija sprečavanja saobraćajnih nezgoda na putevima
10.	Uloga urbanog i ruralnog bloka u formiranju strukture i identiteta naselja u Vojvodini

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

Science, arts and professional qualifications

Name and last name:	Žigić M. Miodrag
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2007
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanics

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

	ID	Course name	Study programme name, study type
1.	GG15	Strength of Materials	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG410	Selected Chapters in the Theory of Elasticity	(G00) Civil Engineering, Undergraduate Academic Studies
3.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
5.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
6.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
7.	M204	Strength of Materials	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
8.	M4302	Biomechanics and mechanics of sport	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	M4306	Similarity and dimensional methods	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	BMI128	Continuum Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M4504	Thermal Elasticity	(M40) Technical Mechanics and Technical Design, Master Academic Studies
14.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
15.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies
17.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
18.	DTM02	Theory of impact	(H00) Mechatronics, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
19.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
20.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. N. M. Grahovac, M. M. Zigic: Modelling of the hamstring musle group by use of fractional derivatives, Computers and Mathematics with applications, Vol. 59, Issue 5 (2010), 1695-1700.

Representative refferences (minimum 5, not more than 10)

2.	N. Grahovac., M. Žigić, D. Spasić, On impact scripts with both fractional and dry friction type of dissipation, International Journal of Bifurcation and Chaos, Vol. 22, No 4 (2012), 1250076 (10 pages).
3.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180, UDK: 531/534(082), ISBN 978-86-909973-0-5.
4.	M. M. Žigić, N. M. Grahovac and D. T. Spasić: A simplified earthquake dynamics of a column like structure with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 165- 172, UDK: 531/534(082), ISBN 978-86-909973-0-5.
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008.
6.	M. M. Zigic, Viscoelastic response of the human hamstring muscle during a ramp-and-hold type of experiment, 2nd International Congress of Serbian Society of Mechanics, Palic: Serbian Society of Mechanics, 01-05 June, 2009, str. 165-173, UDK: 531/534(082), ISBN 978-86-7892-173-5.
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010
8.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)
9.	Bačlić B., Žigić M., Phase spaces of rheonomic energy-like conservation laws, 25th Yugoslav Congress on Theoretical and Applied Mechanics, 1-3 June, 2005.
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3

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

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES — Traffic and Transport Engineering

Science, arts and professional qualifications

Name and last name:	Županski Ž. Ivan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	14.10.1974
Scientific or art field:	Electrical Measurements

Academic carieer	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
PhD thesis	1985	Faculty of Technical Sciences - Novi Sad	Electrical Measurements
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1973	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.	E130	Electrical Measurements	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	E130A	Electrical Measurements	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E140	Measuring in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	E142	Measuring Instruments	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EI408	Project Management	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EIEEM	Electrical and electronic measurements	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	EIEEMI	Electrical and electronic measurements in industry	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	EIMNV	Measurements of non-electrical quantities	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	DE204S	Selected topics in metrology	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	SI023	Measurement and processing of the results	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
11.	SI039	Metrology	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
12.	EIIKL	Engineering communication, logistics and intellectual property	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	EIORM	Measurement and Data Processing	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	DE204	Selected Chapters in Metrology	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. S. Avramov, I. Županski: "An AC Comparator for Audio Frequency Waveforms", IEEE Trans. Instrum. Meas., vol. IM-40, pp. 373-376, Apr. 1991.
2. I. Županski, L. Holiček, V. Vujičić, S. Milovančev: "Power Factor Calibrator", IEEE Trans. Instrum. Meas., vol. IM-46, No.2, pp. 408-411, Apr. 1997.
3. V. Vujičić, I. Županski, S. Milovančev: "Predetermination of the Quantization Error in Digital Measurement Systems, IEEE Trans. Instrum. Meas., vol. IM-46, No.2, pp. 439-441, Apr. 1997.
4. V. Vujičić, S. Milovančev, M. Pešaljević, D. Pejić, I. Županski: "Low Frequency Stochastic True RMS Instrument", IEEE Trans. Instrum. Meas., vol. IM-48, No.2, pp. 467-470, Apr. 1999.

Representative refferences (minimum 5, not more than 10)

5.	M. Pešaljević, I. Župunski: "Komparacija električnih mernih etalon-uređaja", Savezni zavod za mere i dragocene metale, naučna knjiga, 339 strana, Beograd, 1981.
6.	I. Župunski, P. Miljanić: "AC Power Calibrator with a Precision Digital Wattmeter in Feedback Loop", IEEE Trans. Instrum. Meas., vol IM-36, pp.354-356, June 1987.
7.	I. Župunski, P. Miljanić: "AC Power Calibrator with a Precision Digital Wattmeter in the Feedback Loop", Conference on Precision Electromagnetic Measurements CPEM "86, CPEM"86 Digest, Editor: Ronald F. Dziuba, pp. 23-24, Gaithersburg, 1986.
8.	S. Avramov, I. Župunski: "One AC Comparator", Conference on Precision Electromagnetic Measurements CPEM "90, CPEM"90 Digest, Editor: Gary R. Hanes, pp. 74-75, Ottawa, 1990.
9.	S. Milovančev, V. Vujičić, V. Katić, I. Župunski: "An Intelligent Multichannel Converter of AC Electrical Power and/or Voltage and Current RMS Values", Proceedings of IEEE International Symposium on Industrial Electronics ISSIE "95, pp. 138-142, Athens, Greece, 1995.
10.	V. Vujičić, I. Župunski, S. Milovančev: "General Method for Quantization Error Predetermination in Digital Measurement System", Conference on Precision Electromagnetic Measurements CPEM "96, CPEM"96 Digest, pp.49-50, Editor: Andreas Braun, Braunschweig, Jun. 1996.

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

Quotation total :	11			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Standard 10. Organizational and Material Resources

To perform a study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are to be provided. Teaching at the study programme Traffic and Transport is performed in 2 shifts so each student is provided with a minimum of 2 m2 of space.

Lectures are held in amphitheatres, classrooms and specialized laboratories. The library possesses more than 100 library units relevant for the performance of the study programme in Traffic and Transport. All courses from the study programme have adequate textbooks, devices and supplementary equipment available on time and in a satisfactory number for the normal teaching process. There is also adequate information support.

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

Standard 11. Quality Control

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

Standard 12. Distance Education

Distance learning is not provided for.