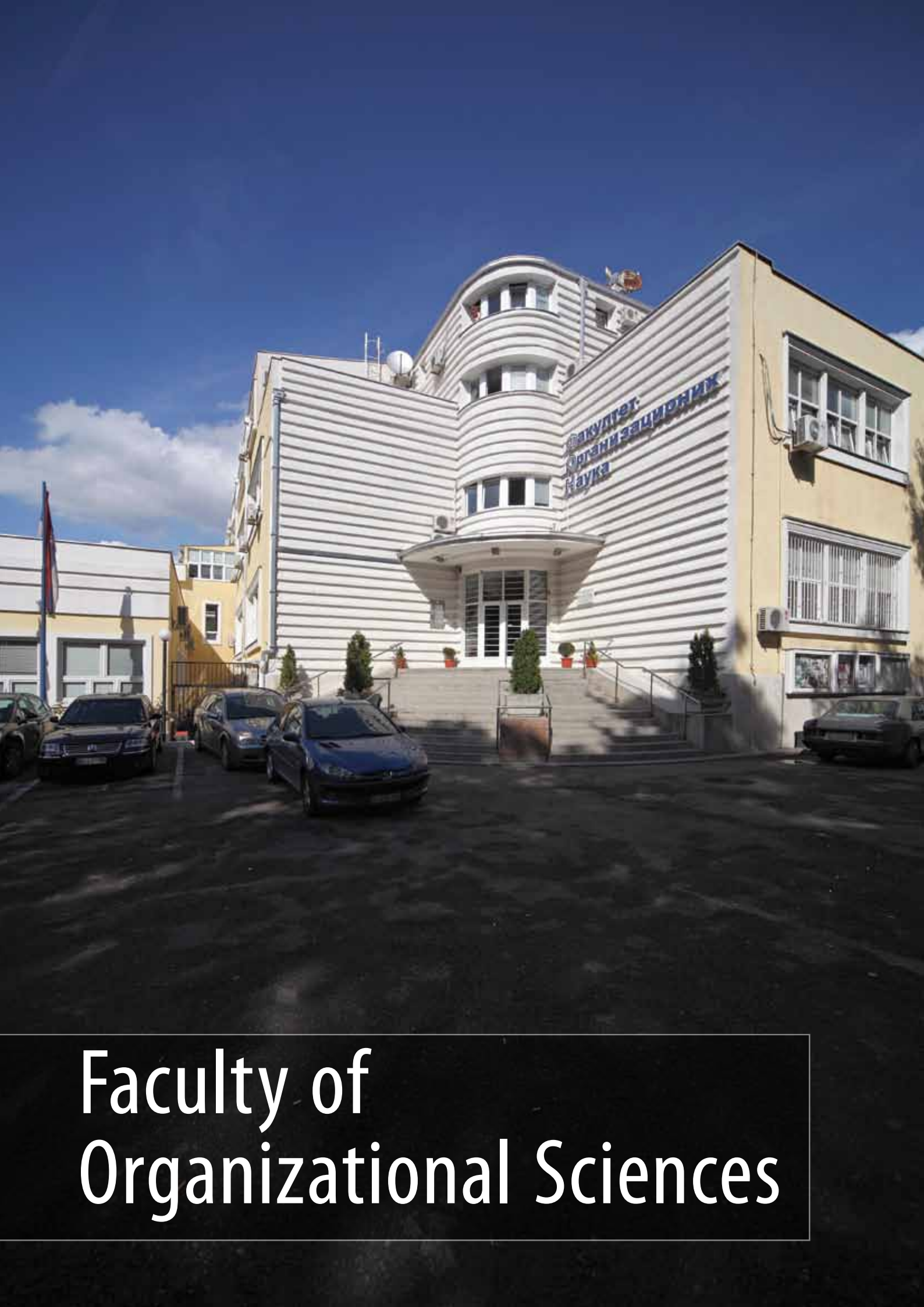

Faculty of Organizational Sciences

Management

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

Study program content

The Master's degree study program of Management is the continuation of undergraduate studies at the Faculty of Organizational Sciences, University of Belgrade. Students have the option to continue academic training through the third cycle of academic studies - PhD studies after these studies. The program is directed towards the use of synergistic benefits, combining social side of management and information systems and technologies. It lasts for two semesters and allows students to gain 60 ECTS in the course of one year and the academic title of Master of Arts in Management.

Study program goals

The goals of Management Master's degree study program are to provide students with the knowledge, skills and competences in the field of modern management, including general management and functional management, taking the multidisciplinary nature of this program as its essential feature into account. The program goals are also for students to acquire the knowledge and skills necessary for them to formulate and understand practical problems and find ways to solve them adequately by achieving strategic and operational objectives of the organization, while also being aware of their relationship with the environment. Finally, the aims of the program are to facilitate and prepare students to continue education at higher study levels.

Study program outcomes

By completing this degree program, a student gains the following general capabilities:

- Analysis, synthesis and forecasting solutions in complex business situations;
- Mastery research methods in management and business models;
- Development of critical thinking and original approach;
- Application of new knowledge in practice;
- Business communication and cooperation with domestic and international environment;
- Starting initiatives and creative action in conditions of rapid change;
- Knowledge and understanding of management process as a whole and individual functional management;
- Connecting knowledge from different fields and their applications;
- Continuous monitoring and acquisition of new knowledge and application of new competencies;
- Presentation of research results and activities;
- Communication in the process of decision implementation;
- Analysis and forecasting of domestic and international environment;
- Decision-making under uncertainty and management of specific types of risk.

Modules

There are seven modules, namely: Management, Marketing Management, Marketing Management and Public Relations, Human Resource Management, European Management and Globalization, Financial Management and Financial Risk Management, Project Management and Management in Education.

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

Contact

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International Business and Management

at Faculty of Organizational Sciences and Middlesex University School of Business,
154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 90/ LANGUAGE OF INSTRUCTION: ENGLISH/ DEGREE: MASTER - DUAL DIPLOMA

Study program content

Master Degree in International Business and Management comprises compulsory and elective subjects, with a total of 90 ECTS for the period of three semesters. The program comprises four compulsory subjects, two electives and the dissertation. Items carry 10 ECTS, and the thesis 30 ECTS. The dissertation contains of: Access work with 8 ECTS, Professional Practice with 4 ECTS and Final Course Work with 18 ECTS.

The structure of curriculum is aligned with the partner institution to match the requirements of master degree and a point system in the UK.

Study program goals

The main focus of master's studies is education in the field of international business - business and management in order to obtain current theoretical and practical knowledge and mastery of techniques and skills relevant to this area.

This is achieved through:

1. Dissemination of knowledge and understanding of concepts, models, methods and techniques of international business and management,
2. Developing of the decision-making capacities in the company in all relevant areas related to the complex international business environments,
3. Monitoring and understanding of changes in the domain of theory and practice of international business and management.

Study program outcomes

On completion of this program, students, based on their acquired knowledge, will be able to understand and apply basic concepts, methods, models and techniques in solving strategic and operational business issues and management in an international environment - primarily in the manufacturing and service companies with international business operations.

In addition, they acquire analytical skills, critical thinking, teamwork, and develop conclusions. They acquire a basis for inclusion in further academic training programs, and a double degree allows them to continue education both at home and abroad.

Admission requirements

- Candidates with BSc/BA awards with an equivalent of 240 ECTS
- Candidates with proficiency in English language, minimum IELTS score of 6.5
- Computer literacy

Contact

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Engineering and Operations Management (EOM)

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

Study program content

EOM study program combines both technical and business courses in four study areas. It educates graduate engineers to create, launch, operate and improve management practices (managing businesses, operating functions, resources and production and service operations), qualifying them for practical work and further education in doctoral studies in the areas of work (organized, creative, innovative, teamwork) and management (synchronized and harmonized) - planning, organizing, transforming and controlling through contemporary / interactive combination of models, methods, technical equipment and organizational tools and business resources.

Study program goals

EOM study program has clearly defined objectives; they are reflected in the goals of individual study areas:

- Training of young and talented students for independent and team work in solving problems in manufacturing and service business systems through the implementation of process, systematic and engineering approach;
- Training of candidates for further personal improvement through the unique combination of quantitative models and methods and qualitative conceptual approaches for the successful resolution of engineering and management problems in the CIM and CIL environment;
- The acquisition of academic "tools" - the ability to create and use models, methods and techniques, technical resources and appropriate organizational aids for engaging in entrepreneurship (creation - generating and /or "findings" as well as validation and realization of potential business ideas) and management (establishment and leadership of) SMEs;
- Understanding of the leading ecological theories, concepts, principles and experiences in order to: define and solve environmental problems, analyze environmental objectives and risks, use standards for environmental management (EMAS and ISO standards), understand political, economic, legal, international and social implications of human interactions with the environment, manage the impact of products/services on the environment and implement sustainable development strategies.

Study program outcomes

Graduate students can design and start up integrally (in business, technical, environmental sense, etc..) optimized systems and manage them, as well as promote badly resolved phenomena in the field of engineering and operations management; They know how to devise a research plan, conduct research, process the results statistically, prepare well documented reports in order to ensure efficient and effective use of resources - along with the preservation of the environment.

This study program provides students with the competence to:

1. Forecast, plan, and determine the status, as well as to analyze and improve the practice - through innovation, recognition of environmental aspects of operations, rationalization, cost reduction and cycle time;
2. Create and evaluate entrepreneurial ideas, gather and engage the resources, establish enterprises (SMEs);
3. Manage systems: plan, organize, and control the transformation of resources and results in systems that integrate people, equipment, materials, energy and information for production and service provision;
4. Apply process approach (engineering process), ISO standards, integrated management systems, set up and improve performance systems;
5. Apply modern information technology in the integration of logistics and manufacturing processes and in designing, organizing and monitoring the performance of logistic and flexible production systems. Students are also being prepared for their further theoretical work (PhD studies).

Modules

The study program Engineering and Operations Management consists of four study areas: Engineering Management, Computer Integrated Manufacturing and Logistics, SMEs Entrepreneurial Management and Environmental Management.

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

Contact

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Management and Organization

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

Study program content

Management and Organization Master's degree program is a response to the growing demand, both nationally and globally, for personnel able to apply management and organizational skills and methods in the management of organizational systems. After finishing this program, the candidates are left with the possibility to continue their academic education through the third cycle of academic studies - PhD studies. The program is directed towards the use of synergistic combination of advantages of both management and information systems and technologies. The program lasts for two semesters and allows students to gain 60 ECTS in the course of year and the academic degree of Master of Science in Organizational Sciences.

Study program goals

The objectives of Management and Organization Master's degree program are:

- To develop the skills for using quantitative and qualitative methodology of data collection, analysis, interpretation of data on organizational systems and their environment in order to make decisions;
- To develop the skills for self-understanding and the formulation, modeling, analysis and solving of a a problem;
- To enable students to understand the changes in the environment of organizational systems not only at national but also international level, especially in the context of European business space;
- To develop students' abilities of team work and work in multicultural environments;
- To transfer the best practices of domestic, foreign and international companies and institutions;
- To teach students to work in accordance with domestic and foreign regulations, standards and legal regulations;
- To create highly educated professionals with managerial, leadership and entrepreneurial characteristics;
- To enable students to continue their further education at higher study levels.

Study program outcomes

Through the Management and Organization Master's degree program, a student develops skills such as:

- Use of methods, procedures and processes of research and analysis;
- Implementation of problem analysis and synthesis, prediction and proposing solutions;
- Taking the initiative to achieve goals and actively participate in business processes;
- Making complex decisions, delegating responsibility, implementation of tasks and efficient utilization of potential employees;
- Written and oral communication through clear presentation and communication in accordance to the needs;
- Independent application of acquired knowledge and solve practical problems;
- Critical thinking, creative and independent action;
- Research, analysis, design and implementation of business processes and organizations;
- Planning, organizing, managing and controlling business processes, enterprise functions and organizations;
- Monitoring and application of modern knowledge in this area;
- Using the most advanced information and communication technology and software support;
- Knowledge of political, economic, social, technological and legal environments for businesses;
- Conducting the statistical analysis of results and the formulation and adoption of its findings independently;
- Decision-making through the development of alternative courses of action, taking into consideration resources, constraints and organizational values.

Modules

There are nine study groups in this program: Management, European Business and Management, Public Relations and Multimedia Communication, Organization and Restructuring of Business Systems, Business Intelligence, Financial Risk Management, Human Resource Management, Project and Investment Management.

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

Contact

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Information Systems and Technologies

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

Study program content

Master's degree program of academic study of information systems and technology is a natural extension of undergraduate studies. In this sense, the program allows the deepening of the acquired and acquiring new knowledge in databases, information systems development, information technology, computer networks and various aspects of IT management.

The content of studies is suitable for students who have completed undergraduate studies in another field of technical and technological sciences, and who want further professional training and graduation in the field of information systems and technologies.

Study program goals

The objectives of the master's degree program of academic studies in the field of information systems and technologies include:

- Improvement of theoretical and practical knowledge, needed for an engineer of information systems and technologies to work in the software industry, on the tasks that belong to the development, maintenance and administration of information systems of different kind;
- Deepening of the knowledge in the field of information systems, information technologies and IT management, as well as mastering the current applications in the field of databases, information systems development, integrated software solutions, software architecture, computer networks, the human-computer interactions, management information systems development, risk management, etc.
- Enabling students, who have received undergraduate diploma at the Faculty of Organizational Sciences or some other Faculty in the field of technical or technological sciences, to gain additional knowledge in the field of information systems, information technologies and IT management;
- Providing practical experience in working on designing, implementing and managing the information systems development, both in the individual engagement, and the teamwork, through involvement of students in existing and new practical projects, and through mandatory work placement.

Study program outcomes

The study program outcome is mastering some of the possible combinations of the following knowledge and skills:

- Design, usage and administration of databases;
- independent and team work on the development, administration and maintenance of information systems, management of IS development and management of IS operational work, research in IST area, as well as in education;
- Analysis of user requirements in different applicative domains and modeling software that will support such requirements
- Use of modern software environments and tools for the development of modern information systems;
- Establishing and ensuring software quality;
- Ensuring the protection of data in information systems from unauthorized usage, attacks from the network, viruses, etc..;
- Management of information systems development, risk management and providing consulting services in development;
- Work in multidisciplinary teams that require information systems and technology support;
- Mastering of concepts and theoretical principles of computer sciences, which will enable him to work independently, as well as participation in the information and interdisciplinary teams;
- Knowledge necessary for the selection, design, implementation, integration and administration of information technology.

Modules

Information Systems;
Information Technologies;
IT Management

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

Contact

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Operations Research and Computational Statistics (ORCS)

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN OR ENGLISH/ DEGREE: MASTER

Study program content

Master's degree academic program in Operations Research and Computational Statistics was made on the basis of the previous three modules: Operations Research, Computational Statistics and Quantitative Methods in Management. The program of Operations Research and Computer Statistics was developed within two main areas, given the very name of the program, which is why it is of interest not only to undergraduate studies of FOS, but also to engineers from all other technical schools, as well as to economists and mathematicians who want to expand their knowledge in these areas.

The development of information systems and technology and the role of management in modern economy have increased the importance of operations research as the basic scientific discipline dealing with the analysis and selection of optimal management decisions (which is why the Anglo Saxon literature interchangeably uses the terms Operations Research and Management Science) and the importance of computational statistics as a modern branch of applied statistics based on the intensive use of modern information technologies that provide quick and easy access to a large number of data. This has increased the need for qualified decision analysts who are expert in methods and techniques of operations research and statistics.

Study program goals

The purpose of the ORCS program is the education of students qualified for the practical application of both classical and the latest mathematical and statistical methods in the planning and managing of organizational systems. In addition to mastering the skills for practical problem solving in the ORCS study program, the knowledge required for further academic study of theoretical and practical open problems is also broadened.

Study program outcomes

Students acquire general skills necessary for the analysis of management problems, creation of potential solutions, predicting consequences, and optimal decision choice. They are competent to solve management problems by using Operations Research and Computational Statistics methods and techniques.

Special qualifications include: Developing mathematical models for management problems; Understanding, studying and modeling of stochastic processes; Collecting and analyzing data; Statistical processing and analysis; Making forecasts; Experimenting with mathematical models of decision problems; Choosing optimal decision by solving the corresponding optimization problem; Implementing solution in practice; Applying knowledge to solve problems in new or unfamiliar environment as well as in multidisciplinary areas; Working with modern software packages for optimization; Working with modern software packages for statistics. In addition, students are trained for research and independent study of new theoretical and technological achievements so that they can easily continue their education on doctoral studies.

Modules

Operations Research, Computational Statistics.

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

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Quality Management

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

Study program content

The study program of Quality Management is based on three modules: Quality Management, Quality Engineering and Quality System of Environmental Management System. Teaching methods used in this study program are lecturing, active learning methods (workshops, case studies and discussion groups) and practical exercises.

Study program goals

The goals of Quality Management study program are:

- Development of academic skills and knowledge in the area of Quality Management, Quality Engineering and Environmental Management System.
- Development of specific critical and analytical thinking skills for quality management
- Development of problem-solving skills in area of Quality management, Quality Engineering and Environmental Management System.

Study program outcomes

Students graduating with the degree in Quality Management study program will:

- Be capable of understanding complex phenomena in the area of Quality Management, Quality Engineering and Environmental Management System,
- Acquire excellent problem-identification and problem-solving skills for today's changing work environment in the area of Quality Management, Quality Engineering and Environmental Management System,
- Acquire theoretical and practical knowledge in the area of Quality Management which can be used in critical analysis within organizations for the quality improvement,
- Be fully capable of solving quality issues within an organization and partly capable of solving problems of complex products quality,
- Be capable of implementing system and process approach in organizations, define basic subsystems of organizational systems, identify core inputs and outputs and processes of Quality Management
- Be capable of understanding quality infrastructure and the role of national and international organizations in this area and
- Be capable of implementing quality management systems requirements.

Modules

The study program of Quality Management is based on three modules: Quality Management, Quality Engineering and Environmental Management System.

Admission requirements

Students need to possess a BSc degree (the list of eligible universities can be found at http://master.fon.rs/) and to have acquired at least 240 ECTS.

Contact

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Electronic Business and System Management

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

Study program content

Master's degree study program in the area of Electronic Business and System Management enables students to gain new and practical experiences, as well as to improve and upgrade the previously gained knowledge and skills in the areas within the scope of this program.

The study program is composed of three modules: Electronic Business, Cyber Crime and System Management. At admission, students choose one of this program's three modules.

Teaching methods include: lectures, practical exercises, experimental laboratory work, case studies, etc.

Study program goals

The main goals of Electronic Business and System Management study program include: achieving competences and academic skills in the area of E-business, System Management and Cyber Crime. These skills comprise knowledge from the following areas:

- Design of E-business systems and business via the Internet
- Mastering of various software tools for electronic and Internet business system implementation
- Mastering of technologies needed for doing business via the Internet
- Web application design and implementation
- Design and implementation of electronic commerce systems, electronic banking systems, electronic learning systems, and electronic government systems
- Application of CRM in electronic business
- Mobile business
- Organizational system management
- Identifying the need for providing information system and computer network security
- Comprehension of the legal systems and procedures related to electronic evidence and their usage in forensic investigation
- Prevention and repression of different categories of most dangerous crime acts in society
- Provision of the necessary instruments for problem analysis and synthesis of knowledge within the area of forensics, security, crime
- Students' works on projects

Study program outcomes

Completing E-business and system management study program students gain the following specific skills:

- Thorough knowledge and understanding of e-business
- Thorough knowledge and understanding of Internet technologies
- Planning business presence on Internet
- Corporative portal design and implementation
- Design and implementation of electronic commerce system
- Design and implementation of electronic government system
- Design and implementation of electronic banking system
- Design and implementation of electronic education system
- Risk management in e-business
- Customer relationship management in e-business
- Using electronic education system for permanent education
- Design and implementation of dynamic organizational systems
- Understanding of changes in competences and essential principles in forensics
- Ability for identification of necessity for providing security in information systems and computer networks
- Analysis of collecting electronic evidence principles and their usage in judicial process
- Applying the legal concepts of protection
- Understanding jurisdictional techniques for implementation procedures of criminal prosecution and punishment of offenders in the area of computer data and networks.

Modules

Electronic business, Cyber crime, System Management

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

Contact

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Software Engineering and Computer Science

at Faculty of Organizational Sciences, 154 Jove Ilića, 11000 Belgrade, www.fon.bg.ac.rs

ECTS: 60/ LANGUAGE OF INSTRUCTION: ENGLISH/ DEGREE: MASTER

Study program content

Software engineering and computer science study program is divided into two modules:

- Software Engineering and
- Computer Science

The purpose of education and specialization of students in the field of software engineering and computer science is the training of experts for the profession of software engineers, or for an occupation related to software development, ie. for analysis, design, implementation, testing and maintenance of all types of software.

The curriculum of this program is such that it reflects the vision of software engineering and computer science development and involves the proper balance between the thematic areas of software engineering, computer science and other areas of computing. The teaching methods are in the form of lectures, exercises, laboratory exercises, case studies etc.

Study program goals

The objectives of this study program include:

- Improvement of theoretical and practical knowledge required for a software engineer to work on the development, maintenance and administration of various kinds of software in software industry;
- Deepening of the knowledge in the field of theoretical and algorithmic computer science basics, as well as the mastering of their current application in intelligent systems, computer graphics, soft-computing, human-computer interaction etc;
- Sharing practical experience in both independent and team work on software design and software implementation, by means of involving students in the existing and new practical projects, and obligatory professional training;
- Providing a foundation for research work, as well as for continuing education in the relevant doctoral study programs.

Study program outcomes

- Maintenance and quality assurance of software by using current frameworks for that purpose, and compatible frameworks in software development;
- Ensuring the protection of data in software systems from unauthorized attacks from the network, viruses, etc.;
- Managing software projects and providing consulting services in software development;
- Work in multidisciplinary teams that require the development of software or technical support of software engineers;
- Mastering the concepts and theoretical principles of computer science that enable a student to work independently, as well as to participate in information and interdisciplinary teams;
- Acquiring the ability to perform complex programming tasks and leadership in programming teams;
- Acquiring the ability to develop effective solutions of various problems in computer science.

Modules

Software Engineering and Computer Science.

Admission requirements

Admission is available to every person that has earned at least 240 ECTS.

Contact

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