

By virtue of Article 11, paragraph 1, items 10) and 11) of the Law on Higher Education ("Official Herald of RoS" No. 76/05),

The National Council of Higher Education, at its session held 20 October 2006, issued the following:

RULES AND REGULATIONS OF ACCREDITATION STANDARDS AND PROCEDURES FOR HIGHER EDUCATION INSTITUTIONS AND THEIR STUDY PROGRAMS

Article 1

The present Rules and Regulations set forth the standards and procedure of accreditation of higher education institutions and study programs.

The standards, referred to in paragraph 1 of this Article, were printed and annexed as an integral part hereof.

Article 2

All higher education institutions in the Republic of Serbia and their respective study programs shall be subject to the procedure for accreditation.

Article 3

The accreditation procedure shall be taken up at the request of the ministry in charge of higher education (hereinafter: the Ministry), the Founders, namely the higher education institutions, themselves.

The administrator of the higher education institution shall file the request referred to in paragraph 1 of this Article, further to the decision passed to that effect by the professional body.

The accreditation request shall be filed with the Accreditation and Quality Assurance Commission (hereinafter: The Commission), via the Ministry, on the form to be prescribed by the Commission.

Article 4

The accreditation request shall be supported by the following data and documents:

- name, seat, responsible person (rector, dean, administrator, secretary);
- Incorporation Act and operating licenses;
- Study programs carried out in the higher education institution;
- self-assessment report;
- action plan for at least the year current and next and operating report for the previous year;
- data about the student;
- data about the policy of admission, criteria and ranking of the admitted candidates;
- data on the teaching staff;
- data about the textbooks;
- data on the library and IT facilities,
- data about the premises and equipment: deeds of ownership/lease, proof of urban development status, area, structure of premises and technical equipment (number, age);
- balance sheet and profit and loss account for the previous year, financial plan for the current and next year, and financial report with the sources of funding and allocation of proceeds.

Article 5

The Ministry shall inspect the completeness of the accreditation request and the documents furnished further to Article 4 hereof.

In the case of incomplete documents, the Ministry shall notify the applicant to complete the file within eight days of the date of service of the notification.

In the case the applicant shall fail to proceed as per notification of the ministry, it shall be deemed to have had given up.

Article 6

The Commission shall form a fact-finding sub-commission; at least two members of the sub-commission shall come from the corresponding education scientific, and/or artistic field.

Article 7

The Commission shall, at the proposal by sub-commission under Article 6 hereof, designate two reviewers to analyze and evaluate the results of self-assessment and quality assurance of high-education institution.

Each reviewer shall analyze the documents and appraise:

- whether the self-assessment was carried in conformity with the standards of self-assessment and quality assurance of higher-education institution;
- were the standards of self-assessment and quality assurance met in full, in part or not;
- if the areas of activities of the higher-education institution were satisfactory, partially satisfactory or unsatisfactory in terms of quality.

The reviewer shall report to the sub-commission on the analysis made further to paragraph 2 of this Article, with the quality assessment of higher education institution and proposal of measures for elimination of weaknesses found.

Article 8

The sub-commission shall establish the facts of relevance for the decision about the accreditation request by direct inspection of the work of higher education institution, to be announced 15 days in advance of the visit.

A higher education institution shall be bound to furnish the sub-commission with all reasonably requested data and access and attendance to the teaching and management process.

After the direct inspection the sub-commission shall compile a report with the quality assessment of the relevant higher education institution.

Article 9

Further to the report of the reviewers, referred to in Article 7, paragraph 3, hereof and the report of the sub-commission referred to in Article 8, par 3 hereof, the sub-commission shall finalize the draft proposal for accreditation and furnish it to the Commission within two months from the direct inspection of the work of a higher education institution.

The draft accreditation decision shall be accompanied by the reports referred to in Article 7, paragraph 7, and Article 8, paragraph 3, hereof.

Article 10

The Commission shall, at its first session after the receipt of the draft decision of accreditation, consider the same and possibly approve it.

The accreditation decision shall be taken when more than half of the Commission members shall vote in favor.

The decision of the Commission shall:

- accept the accreditation request and grant the Accreditation Certificate;
- reject the accreditation and issue the decision denying the accreditation.

The Commission may postpone decision making on accreditation and warn the higher education institution of the omissions in terms of the quality of work of the higher education institution and/or study program and stipulate the deadline for elimination of the weaknesses, and issue relevant conclusion.

Article 11

The founder or higher-education institution may file a complaint contesting the denial of accreditation with the National Council of Higher Education (hereinafter: National Council) within 30 days of the date of receipt of the decision.

Article 12

The National Council shall reject the complaint if it shall find it is groundless, untimely or signed by an unauthorized person.

The National Council shall reject the complaint if it shall find that the procedure for accreditation had been properly applied and the decision taken in compliance with the law and the present Rules and Regulations.

If the National Council shall find defects in the accreditation procedure it may:

- annul the decision of the Commission and decide on its own on the accreditation request based on the facts found by the Commission;
- annul the decision and order the Commission to repeat the accreditation procedure, in whole or in part.

The National Council may ask the Commission, in the complaint process, to supplement the data of relevance for the decision making.

The decision of the National Council shall be final.

Article 13

The Decision of the National Council stating that a higher-education institution, namely the study program meets the accreditation criteria shall serve as the Accreditation Certificate.

Article 14

The present Rules and Regulations shall enter in force on the eighth day of the date of publication in the "Official Herald of the Republic of Serbia".

No. 612-00-59/2006-04/2
In Belgrade, 20 October, 2006

National Council of Higher Education
Chairman,
Prof. Dr. Obrad Stanojevic

I ACCREDITATION STANDARDS FOR HIGHER EDUCATION INSTITUTIONS

Standard I: Basic goals and objective of a higher education institution

A higher education institution shall have the basic goals and objectives that are in line with the objectives of higher education set forth in the Law.

The main goals shall reflect social justifiability of higher-education institution, set the general directions of its activities and constitute the basis for recognition of priorities of higher education institution in the future work.

The main goals of higher education institution, in brief, shall be defined by the administrator of the higher-education institution and published in the appropriate institutions' newsletter.

The objectives of higher education institution shall emanate from the basic goals, determine the concrete results desirable to be achieved by the higher education institution and constitute the basis for examination of its work.

The objectives shall be concrete, achievable and measurable, in line with the possibilities and characterize more closely the activity of higher education institution.

The higher education institution shall periodically review its basic goals and objectives, with the view to their justifiability in terms of planning and allocation of resources.

Standard 2: Planning and control

To achieve the basic goals and objectives the higher education institution shall plan and control the results of all the forms of education, scientific, artistic, research and professional activities, within its scope.

Higher education institution shall put in place the prescribed procedures for short term and long term planning. The planning is done based on the analysis of internal and external factors. Planning is based on systematic and permanent compilation of data and their professional analysis. The results of planning are the planning documents, available to the public and applicable in practice.

Higher education institution shall regularly and systematically control the fulfillment of the basic goals, giving priority to the achievement of educational objectives. The control is carried out by means of comparison of planned and achieved results and comparison of higher education institution with its results in the past and with the results of the similar higher education institutions in the country and abroad. A report shall be drawn on the results of the control in higher education institution that shall be accessible to the public.

The higher education institution shall regularly review the effectiveness of the implemented planning and control with the view to their enhancement.

Standard 3: Organization and administration

The higher education institution shall have in place the organization structure and administration system for the achievement of goals and objective of higher education institution.

Powers and responsibilities of the administrator, expert bodies of the higher education institution and students parliament shall be set forth in the Statutes of the institution.

The work of the manager, expert bodies and students' parliament shall be periodically assessed.

Standard 4: Studies

The content of the qualification and diploma of individual types and study levels correspond to the character and objectives of the study programs. The study program of higher education institution shall comply with the basic tasks and objectives and shall serve their achievement. The higher education institution shall systematically and effectively plan, carry out, supervise, evaluate and upgrade the quality of study programs.

The qualifications which mark the completion of the basic professional studies shall be acquired by the student who:

- demonstrated their knowledge in their study area, based on the previous education and able to use professional literature;
- capable of applying knowledge and understanding the profession;
- capable of transmitting knowledge to others;
- capable of continuing studies;
- capable for team work.

The qualifications which mark the completion of the basic academic studies shall be acquired by the students who:

- demonstrated knowledge in the study area based on the previous education and which enables them to use professional literature, but also covered some aspects relying on key knowledge of their study area;
- capable of applying knowledge and understanding in the manner which reveals professional approach to the job or knowledge and have the abilities most frequently expressed in thoughtful arguments and solving problems within the study areas;;
- capable of collecting and interpreting necessary data;
- capable of thinking of relevant social, scientific and ethical issues;
- develop abilities for continuation of studies.

The qualifications which mark the completion of diploma academic studies shall be acquired by the students who:

- demonstrated their knowledge and understanding in the study area, which supplements the knowledge acquired at the basic academic studies and represents a basis for the development of critical thinking and application of knowledge;
- capable of applying knowledge in solving problems in a new or unknown environment in wider or multidisciplinary areas within the science educational and/or artistic educational study field;
- capable of integrating knowledge, solve difficult problems and reason on the basis of available information which contains compliance with social and ethical responsibilities connected to the application of their knowledge and judgment;
- capable of clear and unequivocal transmission of knowledge and way of deriving conclusions to the professional and wider public;
- capable of continuing studies in a way they shall freely choose.

The qualifications which mark the completion of specialist academic studies shall be acquired by the students who:

- demonstrated deep knowledge, understanding and capabilities and ability in selected scientific and artistic areas of specialization, based on the knowledge of skills acquired during the diploma academic studies and which corresponds to research in

the given narrower scientific and artistic study areas;

- able to apply the acquired deep knowledge, understanding and capabilities acquired during specialized studies for successful solution of complex problems in a new or unknown environment, in narrower scientific and artistic study areas;
- have a superior ability to connect the acquired knowledge in solving complex problems, to judge on the basis of available information and draw conclusions which are at the same time compliant with social and ethical responsibilities related to the application of their knowledge and judgment;
- capable to efficiently following and imparting novelties and the research results in the area of specialization and clearly and unequivocally transmit their conclusions, knowledge and procedure of coming to conclusions to the professional and wider public.

The qualifications which mark the completion of specialist professional studies shall be acquired by the students who:

- demonstrated deep knowledge, understanding and professional skill in the selected narrower areas of specialization, based on the knowledge and skills acquired during the basic professional or basic academic studies, as a form of special preparation and suitable for successful work in the area of specialization;

- able to apply the deep knowledge, understanding and skills for successful resolution of complex problems in partially new or unknown environment narrower study areas; acquired knowledge and skills necessary for a team work in solving complex problems of the profession;

- have superior ability of integrating professional knowledge and skills, to judge and give, based on the available information possible conclusions, which at the same time contain thinking of social and ethical compliance in connection with the application of their knowledge and judgment; capable of efficiently following and adopting novelties in their area of specialization and unequivocally transmit their conclusions, knowledge and process of conclusions to the professional circles and public at large.

The qualifications which mark the completion of doctoral studies shall be acquired by the students who:

- demonstrated system understanding of certain studies; who mastered the skills and methods of research in their field;
- demonstrated the ability to conceive, design and apply; who demonstrated the ability of adaptation of the research process with the necessary degree of academic integrity;
- by their own original research and work achieved the creation which pushed the frontiers of knowledge published and which is of national and international reference;
- capable of critical analysis, appraisal and synthesis of new and complex ideas;
- capable of transmitting professional knowledge and ideas to their colleagues, wider academic community and society at large;
- capable of imparting, in the academic and professional setting, the technological, social or cultural progress.

Each study program is connected to a harmonized whole which includes the objectives, structure and contents, policies and procedures of admission of students, learning methods and way of testing knowledge, learning outcomes and students' competences.

Higher education institution offering more than one study programs shall ensure that all the program meet the basic quality standards and are compatible with a necessary degree of

harmonization.

Higher education institution shall publish the objectives of each of the study programs it offers. The objectives include the achievement of certain knowledge and professionalism and methods for their acquisition. The objectives may involve the development of creative abilities and mastering of specific practical skills, needed in career development.

The study programs have a harmonized structure of an adequate scope and depth and appropriate learning methods.

The higher education institution shall regularly plan and assess the results of their study programs. Those activities are based on fixed objective and available means.

The higher education institution shall permanently develop, promote and review the content of its study programs where the faculty has a key role to play.

Each course within the study program shall be expressed in ECTS credits. The scope of study is expressed with the sum of ECTS credits. The number of ECTS credits needed for acquisition of a diploma shall be regulated by the law. It will be possible to transfer ECTS credits among different study programs.

Standard 5: Science research and artistic work

The higher education institution which carries academic studies shall have an organized science research and artistic work.

The higher education institution shall permanently conceive, prepare and implement science research and artistic, professional and other types of programs as well as national and international projects.

The higher education institution shall establish the procedure and criteria for systematic follow up and appraisal of the volume and quality of scientific research, namely artistic work of the teaching staff.

The content and the results of science research, artistic and professional work of the institution shall be compatible with the objectives of the higher education institution and with the national and European objectives and standards in higher education.

The knowledge acquired by higher education institution by implementing science research and artistic work shall be included in the teaching process.

The higher education institution shall encourage and ensure the conditions to the teaching staff to actively take part in the science research, artistic and professional activities and to publish the results of their work.

The higher education institution shall carry out and prompt the publishing activity in keeping with their possibilities.

For the sake of commercialization of the results of science research and artistic work the university, namely another higher education institution may become a founder of the technology transfer center, innovation center, business-technology park and other organizational units.

Standard 6. Teaching staff

The higher education institution shall employ the teachers, researchers and associates in their scientific, artistic and teaching activities able to achieve the basic goals and objectives of the institution. The members of the Faculty shall competently realize the study programs and perform other mandated goals.

The number of teachers shall correspond to the requirements of study programs which the institution implements. The total number of teachers shall have to be sufficient to cover the total number of lessons within the study program which the institution carries out, so that the teacher will have 180 lessons of active teaching (lectures, consultations, practice, and field work)

annually, namely 6 lessons a week.

The workload by teacher cannot exceed 12 lessons of active teaching a week. Thereby, out of the total number of necessary teachers minimum 70% must hold the permanent full time employment contract out of the total number of study program which is the subject of the request for a license. For the study programs in artistic field that number cannot be lower than 50%.

Of the total number of teachers needed by years of study for a study program which is to be licensed, the academies of professional studies and higher education professional studies, except in the artistic area, must have minimum 50% of teachers with doctoral degree.

The number of associates shall correspond to the requirements of the study programs. The total number of associates shall be sufficient to carry the total number of teaching lessons in study programs which the institution delivers and thereby each associate shall have 300 lessons of lectures annually, namely on average 10 lessons of active teaching a week, except in the field of art.

Scientific, artistic and professional qualifications of the teaching staff shall correspond to the science educational that is artistic educational field and the level of their credits. The qualifications are evidenced by diplomas, published works, art works and records of educational qualities and corresponding professional experience.

If a higher education institution employs the students to do the job of teaching associates, who attend diploma academic or specialized studies, they must have grade average minimum eight (8) at their basic studies.

The higher education institution shall elect to the rank of assistant a student at the doctoral studies who completed the prior levels with the overall grade average at least eight(8) and who demonstrated aptitude for teaching. The higher education institution shall provide for a sufficient number of assistants for realization of good quality study program and involvement of the faculty members.

The institution shall provide the teachers and associates with the conditions for scientific, artistic and professional advancement and development. The institution shall provide the teachers and associates with the conditions for scientific and research work, participation in the local and international scientific conferences, collection of necessary literature, planning and realization of research

Standard 7. Non-teaching staff

The higher education institution shall have a faculty which by its professional and vocational activities shall ensure successful realization of study programs, basic goals and objectives of the study program of the higher education institution.

The higher education institution shall have at least one librarian. The higher education institution with over 500 students shall have at least two librarians with high educations and one junior librarian.

The higher education institution with up to 500 students shall organize student's service with at least two employees plus one additional for 1000 students and another one per each additional 2000 students.

The higher education institution shall have at least one employee with high education to attend to IT system.

The higher education institution shall have at least one employee -graduated lawyer - on the job of a secretary.

Standard. 8 Students

In compliance with the basic goals the higher education institution shall determine the terms of admission of students and select the candidates further to them. The higher education institution shall provide necessary facilities for successful mastering of the study programs.

The higher education institution shall announce the competition for admission to studies. The competition shall contain: number of students per study programs offered, terms of admission, criteria of enrolment, and criteria for ranking the candidates, the procedure for the competition implementation, the manner and time frame for complaints to the ranking and the level of school fees to be paid by the student whose studies are not budgeted.

Number of students enrolled to higher education institution shall be adjusted to the human resources, space and technical and technological possibilities.

The candidate for admission to the studies of the first degree shall take entrance examination or aptitude test, depending on the Statutes of high education institution. The ranking of the candidates shall be made based on the general achievement in the secondary education and the results at the entrance examination, namely aptitude test.

The higher education institution shall permanently and systematically follow the achievements of the students and their advancement in each study program carried out and take measures of support in the case of unsatisfactory outcome.

The success of students in mastering individual courses shall be monitored regularly and assessed during the teaching. The overall grade of a student in one course consists of the grade obtained on pre-examination obligations and knowledge proven at the test. The minimum share of credits of the student attending the teaching in the overall credits shall be 30%, and maximum 70%.

A person who shall complete the studies shall acquire corresponding professional, academic namely scientific title in line with the law.

The status of a student shall be terminated in the cases set forth in the law.

Standard 9. Premises and equipment

The higher education institution shall provide for premises and equipment needed for good performance of all forms of teaching. The standards for premises and equipment shall be designated by education-scientific, namely education-artistic fields.

The higher education institution shall provide premises for teaching as follows:

- buildings with minimum 4sqm of gross area per student, namely 2sqm for teaching in shifts, except for the field of arts;
- amphitheatres, classrooms, laboratories namely other premises for teaching, and a library and reading room, as needed in the education process of a given scientific education and/or education artistic area;
- adequate working area for teachers and associates;
- a place in amphitheatre, classroom and laboratory for each student.

The higher education institution shall ensure the premises for administrative affairs, minimum two offices for students' service and the Secretariat.

The premises ensured by higher education institution for teaching requirements and management shall have to meet corresponding town planning, technical and hygienic conditions. The premises shall be in the buildings holding necessary construction and operating licenses. If the premises for teaching and management are not owned by higher education institution or granted for use, it shall contract leasing for the period of minimum five years,

The higher education institution shall ensure necessary technical equipment for modern teaching further to the needs of the study program.

The higher education institution shall ensure equipment and teaching in compliance with health and safety standards and inform the students.

The higher education institution shall provide premises for students' parliament.

Standard 10. Library, textbooks and IT support

The higher education institution shall have an appropriate library equipped with all necessary textbooks for the study and IT resources and a service utilized for the achievement of the basic goals.

The higher education institution shall have the library with literature, which shall provide an adequate support to the teaching process in the science educational and artistic activities. The library shall have at least 1000 library units in the area covered by the teaching.

The higher education institution shall ensure the coverage for all the courses with corresponding textbooks, educational media and devices, The media and devices shall have to be available timely and in the number sufficient to ensure smooth teaching process.

The higher education institution shall have IT equipment necessary for studies and science research and artistic work. The higher education institution shall provide for at least one IT room with minimum 20 PCs and Internet access.

The higher education institution shall ensure needed training for the teachers, associated and student with the view to efficient use of the library and other IT resources.

Standard 11. Sources of finance

The sources of finance of higher education institution shall be sufficient to ensure quality teaching for at least the duration of the study program.

The higher education institution shall achieve positive financial results in the period of at least three years.

The higher education institution shall have the financial plan accessible to the public for the period prescribed by law, which is an integral part of the business plan of the higher education institution. The financial plan shall clearly present future income and expenditure by types and periods.

If appropriate, the higher education institution shall take bank credits and guarantees.

Standard 12. Internal mechanism for quality assurance

The higher education institution shall approve and carry out the quality insurance strategy in its work.

The higher education institution shall approve clear and comprehensively formulated strategy of quality assurance of the teaching process, management of the higher education institutions, teaching activities and conditions for work and study, accessible to the public.

The higher education institution shall form a special commission for quality assurance from among the teachers, associates and non-teaching staff and students.

The higher education institution shall implement in practice the established strategy for quality assurance and to that end shall take necessary measures to realize the strategy for quality assurance and eliminate the irregularities observed. The higher education institution shall particularly follow up the quality of teaching, examinations, success of students and studies on the whole by individual courses, quality of text books and take special measures for elimination of deficiencies observed.

The students shall have an active role in the process of approval and realization of the strategy for quality assurance. Of special significance will be assessment of quality of the teaching process, which shall be carried out by students' polls.

Self-assessment shall be an integral part of the strategy for quality assurance and shall be carried out in the intervals of maximum three years. The students' assessment of the quality of the teaching process shall be taken into account in the self-assessment.

The higher education institution shall have a general bylaw on the textbooks.

Standard 13. Transparency

The Higher education institution shall publish complete, precise, clear and accessible information of its work intended for students, potential students and other stakeholders.

The information published by the higher education institutions shall help the students and potential students take decision on their education.

The higher education institution shall publish its goals, objectives, expected educational outcomes, description of study programs and description of courses offered and programs delivered, conditions of enrolment and transfer of ECTS credits, the amount of school fee, the Statutes of the institution and its accreditation, strategy for quality assurance, financial results and other relevant data.

The higher education institution shall publish the list of teachers and associates on their qualifications and engagement in a higher education institution.

II SUPPLEMENTAL ACCREDITATION STANDARDS OF HIGHER EDUCATION INSTITUTIONS WITHIN THE GIVEN SCIENCE EDUCATION NAMELY SCIENCE ARTISTIC FIELD

Mathematics

Standard 6. Teaching staff

The teaching shall be organized in such a way that up to 80 students shall attend the teaching at the basic studies and up to 25 students the practice and up to 15 students the laboratory practice.

The teaching shall be organized in such a way that the lectures at the diploma academic studies shall include up to 25 students, the practice up to 15 students the group of laboratory practice up to 10 students.

Standard 7. Non-teaching staff

The higher education institution shall ensure, at all the levels and types of studies, the associates who partake in the realization of laboratory trials and field practice of the students.

Standard 9. Premises and equipment

The higher education institution shall ensure an additional laboratory space for experiments, conditions for field teaching and other conditions in keeping with the needs of the study program relative to the number of students in the courses which require the experimental teaching.

Humanistic sciences

Standard 6. Teaching staff

The groups for the teaching by types of courses in the basic studies shall be:

- at the academic general education and theoretical methodological courses up to 300 students;
- at the scientific professional and professional applied up to 200 students.

The scope of the practice group by type of courses at the basic studies shall be:

- at the academic general education and theoretical methodological courses up to 50 students;

- at the scientific professional and professional applied up to 30 students.
The scope of the group for teaching and the diploma studies shall be up to 50 students.
The scope of the group for practice at the diploma studies shall be up to 25 students.

Medical sciences

Standard 1: The basic goals and objectives of the institution

The goals shall be concrete, achievable relative to the available resources and describe the details of the institutional activity, including the professional scientific research and medical work.

Standard 6. Teaching staff

The total number of teachers must suffice to cover the total number of teaching lessons at the study programs carried out by the higher education institution so that a teacher will deliver 120 lessons on average per year, namely 6 lessons per week. The maximum engagement per teacher cannot exceed 12 contact lessons a week. The number of lessons will include the engagement of the teachers in all the accredited study programs and engagement of teachers within medical specialized studies and the studies of narrower specializations which were established under the health care regulations.

The maximum number of students in a group for practical teaching at the pre-clinical courses will be 10, at the clinical 5 and in the group of theoretical teaching 80.

Standard 9. Premises and equipment

Laboratories, namely teaching units for practice in pre-clinical courses shall correspond in terms of capacities to the number of students enrolled and specific study features and teaching courses, but cannot be less than 20% of the total number of enrolled students. For the purpose of clinical training of the students and universities and medical schools within it shall cooperate with respective clinic as partners in medical education, which shall be subject the relevant contract.

The clinical units and clinical teaching capacities shall fully cover the clinical sources of the given study program.

Technical and technological sciences

Standard 6. Teaching staff

At the basic studies the teaching group shall have up to 180 students, practice group up to 60 students and the group of laboratory practice 20 students.

At the diploma studies the teaching group shall have 32 students, practice group up to 16 student and the group for laboratory practice up to 8 students.

Standard 7. Non-teaching staff

The higher education institution shall ensure the needed professional associates who

shall take part in the laboratory, experimental and field exercises at all the levels and types of study.

Standard 9. Premises and equipment

To be able to carry out its study program the higher education institution shall ensure adequate science educational units, in house or outsourced.

In house teaching units shall be: teaching laboratories, scientific and research development laboratories, experimental plots, technical center and other scientific, research development and innovation units within the higher education institutions.

The outsourced teaching scientific units shall be: the institutes, centers of excellence, innovation centers, organizations providing infrastructural support to innovation activities and food producing companies, intermediaries, equipment and services.

The outsourced teaching scientific units shall be equipped with necessary measurement, demo, computer and ITC devices for experimental, demo and simulation character for all the courses within a given group of scientific professional and applied courses.

In the area of bio-technical sciences a higher education institution shall ensure minimum one adequate experimental plot. The experimental plots in agriculture shall be owned by higher education institution or shall be lease-held and of at least 100 Hectares of arable land under different crops and breeds, nurseries and seed plantations, according to the modern technologies supported by good farm appliances, depending on the study program requirements. The experimental crops in the area of forestry shall be owned by higher education institutions or lease held and minimum 1000 hectares under different forest stands, producing seed and nursery material with the application of modern technology, supported by good quality mechanization. The experimental estates business shall correspond to the requirements of study programs carried out by higher education institutions.

Arts

Standard 6. Teaching staff

Depending on the type and character of the course, the teaching at the higher education institutions in the area of arts shall be:

- individual,
- group,
- collective.

The size of the group may range from two to 20 twenty students depending on the type and nature of the course.

The collective teaching can be organized for a group of up to 300 students.

Weekly and annual workload of the associates shall depend on the specific features of the study programs, duties of the associates and occupations fixed under the general bylaw of the higher education institution.

Standard 9.Premises and equipment

The higher education institution shall ensure the premises for teaching and provide for minimum 5 sq meters net per student.

The higher education institution shall ensure additional premises in keeping with the specific features of artistic areas: workshops, laboratories, exhibition gallery, concert hall, audio and opera study, theatre, cinema, TV studio and necessary equipment for modern teaching according to specific features of artistic fields.

III ACCREDITATION STANDARDS FOR THE FIRST AND SECOND LEVEL OF HIGHER EDUCATION

Standard 1. Structure of the study program

The study program contains the elements specified in the Law

Each study program shall have the following elements>

- name and objectives of study programs;
- type of studies and outcomes of the learning process;
- professional, academic, namely scientific title;
- conditions of admission to the study program;
- list of obligatory and optional study areas, namely courses with framework contents;
- the method of the study and the time needed for individual types of studies;
- credits of each course expressed in terms of the European credit transfer system (ECTS);
- credit values of the final thesis in the basic, specialized and diploma academic studies, namely doctor dissertation, expressed in ECTS credits;
- preconditions for admission to individual courses or groups of courses;
- manner of choice of courses and other study programs;
- conditions for transfer to other study programs within the same or related study areas;
- other issues of significance for the realization of study programs.

The volume of studies is expressed in the number of ECTS credits.

The basic professional studies shall have 180 ECTS credits.

The specialized professional studies shall have at least 60 ECTS credits.

The diploma academic studies shall have between 180 and 240 ECTS credits.

The diploma academic studies shall carry at least 60 ECTS credits provided the basic academic studies reach the volume of 240 ECTS credits but at least 120 ECTS credits.

The specialist academic studies will have at least 60 ECTS credits provided the academic studies had been completed.

The doctor studies have at least 180 ECTS credits if the basic academic and diploma academic studies had been completed and the results is at least 300 ECTS credits.

The academic study programs in medical sciences can be organized within the basic academic and diploma studies with the total volume of maximum 360 ECTS.

Standard 2. Purpose of study programs

The study program shall have clearly defined purpose and the roles in the education system, accessible to the public.

The purpose of the study program is to educate the students for recognizable and

clear professions and occupations. The study program shall ensure acquisition of competences, which are socially justified and useful.

The purpose of realization of the study program must be clearly and unequivocally formulated.

Standard 3. Objectives of study program

The study program shall have clearly defined objectives.

The objectives of study program include the achievement of competences and academic skills and methods of their acquisition, The objectives may also include the development of creative capacities and mastering of specific practical skills necessary in practicing the trade.

The objectives of study program shall be in compliance with the basic goals and objectives of higher education institution where the program is carried out.

The objectives of the study program implementation must be clearly and unequivocally formulated.

Standard 4. Competences of graduated students

By completing the study program a student acquires general and course-specific capabilities serving the function of good quality professional, scientific and artistic activity.

Having completed the master program the student shall acquire the following general abilities:

- to analyze and synthesize the solutions and consequences;
- to master the methods, procedures and research processes;
- to develop critical and self-critical capabilities and agility and the cooperation with closer social and international stakeholders;
- observe the professional code of conduct.

Having completed the master program the student shall acquire the following course-specific abilities:

- fundamental understanding and comprehension of the discipline of the corresponding profession;
- resolution of concrete problems in different areas and their application;
- linking the basic knowledge in different areas and their application;
- follow-up and application of novelties in the profession;
- development of skills and abilities to use the knowledge in the given field;
- use ICT in getting the knowledge in the given area.

Standard 5: Curriculum

The curriculum of study program contains the list and structure of obligatory and optional courses and modules and their description.

The structure of the curriculum shall cover the distribution of courses and modules by semesters, trimesters, namely blocks, the stock of lessons of active teaching within ECTS.

The description of courses shall contain the name, type of the course, the year and semester of studies, the number of ECTS credits, name of the teacher, objective of the course with expected outcomes, knowledge and competences, preconditions for attendance at the course, content of the course, recommended literature, methods of implementation, the way of assessment of knowledge and grading system and other data.

The structure of the study program at the basic academic studies, except in the field of art, shall contain the following groups of courses with a relative share in the total number of ECTS credits, as follows:

- academic-general education-around 15%
- theoretical and methodological - around 20%
- scientific namely artistic professions around 35% and
- professional applied-around 30%.

The structure of study program at the basic professional studies, except for the field of arts, shall contain the following groups of courses relative to the total number of ECTS, as follows:

- academic- general educational-around 15%
- professional, namely art professional - around 40% and
- professional applicative-around 45%.

In the structure of the study programs, except in the field of art, the optional courses are represented with at least 20% relative to the total number of ECTS credits at the basic studies and minimum 30% relative to the total number of ECTS credits at the diploma studies.

Standard 6. Quality, modernity and international compatibility of the study program

The study program is harmonized to the contemporary trends in the world and status of the profession, science and art in respective education-scientific, namely education-artistic field and is comparable to the similar programs of the higher education institutions abroad, and specifically within the European education area.

The study program offers the students the latest scientific, artistic namely professional knowledge in the corresponding fields.

The study program is comprehensive and compliant with other programs of higher education institutions.

The study program is harmonized to at least three accredited programs of a foreign higher education institution of which at least two of the higher education institutions located in the European educational area.

The study program shall be formally and professionally adjusted to the European norms in terms of admission, duration, requirements for transfer to the next year, acquisition of diplomas and the manner of study.

Standards 7: Admission

The higher education institution, in compliance with the social needs and its own resources, shall enroll the student to corresponding study program based on the success in their previous schooling and entrance tests, aptitude and capacities.

The number of students enrolled to corresponding study program shall be fixed in terms of available space and human resources available to the higher education institution.

The type of knowledge, aptitudes and capacities tested on entrance shall be suitable to the nature of the study program and the method of testing correspond to the character of the study program and shall be publicly available in the admission advertisement.

Standard 8: Grading and promotion of students

The grading of the students shall be based on the permanent monitoring of the work of students and on the credits gained in fulfillment of pre-examination duties and the exam itself.

The student completes the study program by taking exams and gaining certain number of ECTS credits in line with the study program.

Each individual course in the program shall have a certain number of ECTS credits, which the students can get if they pass the exam.

The number of ECTS credits shall be determined on the basis of the work load of students in mastering certain course and by application of uniform methodology of a higher education institution for all under the given study program.

The success of the student in mastering certain course shall be permanently monitored during the teaching and expressed in credits. The maximum number of credits achievable in the course will be 100.

The student earns the credits in the course by attending the teaching and fulfilling the pre examination obligations and by passing the exam. The minimum number of credits achievable by fulfilling the obligations during the teaching will be 30 and the maximum 70.

Each course in the study program shall have clear and transparent way of earning the credits. How the credits can be earned during the teaching shall depend on the number of credits the student earns during the teaching or performing the pre exam obligation and at the exam.

The overall success of the student at a course shall be expressed in grades from 5 (failed) to 10 (excellent). The grade of the student is based on the total credits earned by meeting the pre exam obligations and passing the exam according to the quality of acquired knowledge and skills.

Standards 9: Teaching staff

The teaching staff is recruited for the implementation of the study program with necessary scientific, artistic and professional qualifications.

The number of teachers corresponds to the requirements of the study program and depends on the number of courses and number of lessons. The total number of teachers must suffice to cover the total number of lessons in the study program, so that a teacher has 180 lesson of active teaching (teaching, consultation, practice, practical work and field work) on average p.a., namely 6 lessons a week. Of the total number of needed teachers at least 70% must have a permanent employment contracts, full time, and for the study program in the field of art minimum 50%. The realization of study programs of professional studies except in the field of art, requires at least 50% of teachers with Ph.D.

The number of associates corresponds to the needs of the study program and depends of the number of courses and lessons. The total number of associates at the study program must be sufficient to cover the total number of lessons on that program so that the associates have on average 300 lessons of active teaching p.a., namely 10 lessons a week, except in the field of art.

The science and professional qualifications of the teaching staff shall correspond to the education and scientific field and the level of their responsibilities. A teacher must have at least five references in the narrow science, art namely professional area concerned.

The data about the teachers and associates (CV, election to functions, references) must be available to the public.

Standard 10: Organizational and material resources

For the realization of a study program adequate human, spatial, technical, library and other resources shall be provided, adequate to the character of the study program and the anticipated number of students.

The higher education institution shall ensure adequate premises for the performance of study program, namely the building with at least 4 sq meters gross per student, namely 2 sq m for teaching in shifts, except in the field of arts.

The higher-education institution shall have amphitheatres, classrooms, laboratories or similar teaching premises, a library or similar premises for teaching, library and reading rooms as appropriate for study program, adequate to the given education scientific namely artistic fields. The higher-education institution ensures a place in the amphitheatre, classroom and laboratory for every student attending the study program.

The higher-education institution ensures all needed technical equipment for modern teaching activities.

The library shall have minimum 100 library units relevant to the study program of the higher education institution.

The higher-education institution shall ensure the coverage of all the courses by adequate textbooks, teaching media and aids, available timely and in sufficient numbers for normal development of teaching process of that study program.

For the implementation of study program the necessary IT shall be provided.

Standard 11: Quality control

The quality control of the study program shall be regularly carried out by means of self-assessment and external quality tests.

Quality control of the study program means regular and systematic follow up of its implementation and measures for quality enhancement in terms of curricula, teaching, teaching staff, grading of students, textbooks and literature.

Quality control of the study program is carried out in the period set in advance which is three years in the case of self-assessment, and maximum five years for quality control.

Quality assessment of the study program involves an active role of students and their

appraisal of quality of the program.

Standard 12: Distance learning

The study program based on the methods and technologies of distance learning is supported with resources which ensure good quality of study program.

The higher education institution may organize the study program in distance learning for every area and each education scientific and artistic field, if the substance of teaching, supported by available resources can be acquired via distance learning of good quality and if the same level of knowledge of graduated students, the same efficiency of studies and the same rank (quality) of the diploma can be provided as in the case of the usual implementation of study program.

Program

The substance of the course of the study program shall be conceived in a modern way and adapted to distance learning with the stated time needed for consultation.

The teaching material shall fully comply with the education objectives in terms of quality, contents and volume, to the curriculum and programs for the courses and adjusted to independent and successful learning.

The learning instructions provided by the higher-education institution shall contain more concrete proposals and suggestions concerning strategy of learning by the students and autonomous test of knowledge.

Grading and promotion of students

The sub system for testing the students' knowledge shall be integrated into the management system of the distance learning process and support different forms of learning and tests (consultations, self-assessment, pre examination tests, reports, examination).

The examinations shall be taken at the headquarters of the higher education institution, namely in the facilities listed in the operating license of a higher education institution.

The teaching staff

The higher-education institution shall have a qualified and competent faculty to carry out the study program of distance learning.

The teachers shall be responsible for drafting the teaching material, tests prior to the exams and for final exams, as well as for adjustment of all the activities conducive to mastering the necessary scope of knowledge.

One teacher may cover maximum three courses in a semester.

Consultations with the students shall be carried out by teachers or associates. One

teacher, namely associate may do the consultations with no more than 80 students in a term.

The required number of teachers and associates under permanent contract shall be 70% of the minimum number of teachers and associates necessary for study program implementation. In the case that the study program goes in parallel in the usual way and at a distance, the total requirement for teachers and associates shall be determined as in the usual way of studies, where one teacher may do the consultations with no more than 80 students from both groups of students, on average, per term.

Resources (equipment, library, premises)

The higher-education institution shall provide equipment and ICT for the establishment and maintenance of two-way communication between teacher-student to implement education activities in distance learning (parts of teaching, consultations, self-assessments, tests of knowledge within pre examination obligations, projects, seminars, essays and the similar).

Within the system of distance learning process the administration of the higher education institution must ensure:

- one integrated distance learning system (DLS) platform, either proprietary or leased, with specialized software for accommodation and distribution of multimedia teaching curricula intended for independent learning (text, audio and video information) and for the complete learning process management;
- different teaching forms: public broadcasting of the planned teaching event at the appropriate time (broadcasting of teaching or discussions among teachers /experts video taped live or pre recorded), delivery of lectures and multimedia teaching material from a server and consultations for guided and informal panel forums;
- a single user interface supporting more than one user category, including the students, teachers and administrative staff;
- quality and two-way communication of teachers and associates with the students enabling the services of electronic mail, discussion forums and discussions in real time;
- the possibility of recording the time the student spent over the teaching material and assessment and grading of the students by means of tests and with the support and under the control of specialized software package;
- high reliability of the system through an adequate system of surveillance of excess and protection of the contents.

The higher education institution shall ensure access to its own and other suitable libraries, and particularly to the organizations specialized for delivery of electronic text books and other teaching and scientific publications.

The higher education institution shall provide access to own or other suitable higher education institutions having premises adequate as to space and conditions for normal procedure of the final examination, work of administrative staff and maintenance of the integrated computer platform supporting distance learning.

With the view to improving the quality of consultations the higher-education institution may establish consultation centers geographically distant from the seat of the institution, with information communication platform integrated in the distance learning system, professional literature and facilitating practical exercise.

IV ADDITIONAL STANDARDS FOR ACCREDITATION OF STUDY PROGRAMS WITHIN A GIVEN EDUCATION SCIENTIFIC NAMELY ARTISTIC FIELD

Science-mathematics

Standard 5. Curriculum

The education field of mathematics shall require special abilities defined for the study program accreditation, taking into account the internationally accepted competences for the given profession.

Standard 9. Teaching staff

Teaching shall be organized in such a way that the group attending teaching at the basics studies shall have 80 students and practice up to 25, while in the group of laboratory exercises up to 15 students.

The teaching shall be organized in such a way that the teaching group at diploma studies shall have up to 25 students in a group, practice up to 15 students and laboratory practice up to 10 students.

The teacher must have at least five representative references in the science education area at the study program including: monographs, books, articles, scientific and professional contributions, textbook, practice book or summary of questions, patents and software solutions.

Standard 10. Organization and material resources

The field of mathematics requires additional laboratory space to carry experimental teaching, conditions for teaching in the field and other conditions in keeping with the needs of the study program and number of students in the courses which have experimental teaching.

Humanities

Standard 9. Teaching staff

For quality study programs in the field of humanities it is necessary to meet the norms concerning the number of students by teaching groups, namely:

- the size of the group for teaching at the basic studies for academic- general education and theoretical methodological courses, up to 300 students, for science-professional and science-applied up to 200 students;
- the size of the group for exercise at the basic studies for academic-general educational and theoretical-methodological courses, up to 50 students, and for the

- science professional and applied up to 30 students;
- the size of the group for teaching at the diploma studies up to 50 students;
 - the size of the group for exercise at the diploma studies is up to 25 students.

Medical sciences

Standard 5. Curriculum

The curriculum of the study program of the diploma academic studies in corresponding scientific areas within the education scientific field of medical science must contain the obligatory core and the possibility for special study modules. The special study modules should be in the courses directly connected to medicine, either laboratory or clinical, biological or behavioral, research oriented or descriptive. The curriculum of the study program should contain optional courses.

Standard 6: Quality, modernity and international convergence of study programs

The integrated academic studies of the first and second degree (medical studies), for acquisition of academic and professional title of «medical doctor», last 6 years or 5,500 lessons of theoretical and practical teaching, independent students' activities and practice in medical institutions further to Directive 2005/36/EC of the European Parliament and Council of Europe dated 7 September 2005, on the recognition of professional qualifications in the part concerning medical doctors.

The purpose of Directive 93/16 of the Council of Europe is to facilitate free movement of medical doctors via mutual recognition of the primary and specialized qualifications of the residents of EEA (The European education area).

Standard 9. Teaching staff

The total number of teachers must be sufficient to cover the number of lessons of teaching at the study programs which are realized by the study programs of the higher education institution so that the teacher shall have 120 lessons on average per year, namely 4 lessons a week. The maximum work load of the teacher cannot be more than 12 contact hours a week. The number of lessons includes the involvement of teachers in all the accredited study programs, as well as the engagement of teachers within medical specialist studies (specialist studies in conformity with the medical care regulations) and studies of narrow specializations, which are governed by health care regulations.

The maximum number of students in the group for practical teaching in pre clinical courses is 10, and in the clinical five. The maximum number of students in the group of theoretical teaching is 80.

Scientific capacities of the teachers and associates are evaluated according to the regulations applicable to education and scientific activities.

Standard 10. Organization and material resources

Laboratories, namely teaching units for performance of practice at pre clinical courses, shall correspond in terms of the number of enrolled students and specificities of studies and courses so as to reach at least 20% of the total capacity.

The clinical training of the students requires partnership between the universities that is medical schools and clinics in the medical education.

The clinical practice units and clinical teaching capacities must cover corresponding clinical courses in the study program. The higher-education institution within the education science field of medical sciences shall contract the cooperation defining the parties' responsibilities.

Technical sciences

Standard 4. Competences of graduated students

The completion of the study program enables the student to acquire the following course-specific capabilities:

- designing, organizing and supervising the production;
- independent trials, statistical plotting of results, formulation and presentation of results;
- drafting, in an adequate manner, and presentation of the results.

The student shall acquire the knowledge and skill in:

- environment protection;
- cost effective utilization of natural resources of the Republic of Serbia in keeping with the principles of sustainable development.

In the area of Biotechnical sciences, the student shall acquire knowledge and skills:

- for production of safe food;
- in the areas of agriculture and forestry for the production of plant and animal species and livestock breeding.

Standard 5. Curriculum

The integral part of the curriculum of the study programs for the basic and diploma studies in the area of technical and technological sciences is professional practice of at least 45 lessons, carried out in the appropriate science research institutions, in the innovation centers, in the organizations offering infrastructure support to innovative activities, in the companies and public institutions.

In the field of bio technical sciences, in the area of agriculture and forestry, the students during the basic studies have practice within at least 45 lessons, production practice in the duration of at least 45 lessons and technological and organization practice in the duration of at least 45 lessons.

Standard 9. Teaching staff

For a good quality study program performance at the basic and diploma studies in the field of technical and technological sciences it is necessary that the higher education institution meet the norms of the number of students by teaching groups. The scope of the group for teaching is up to 180 students, practice group up to 60 students and the group for laboratory exercise up to 20 students. For good quality performance of study programs of diploma studies the size of the theory group is up to 32 students, practice group up to 16 students and the group for laboratory work up to 8 students.

Representative references of the teaching staff in the technical and technological sciences are: science and professional works published in the international and local reviews, contributions printed in the proceeds of the science and professional conferences, monographs, textbooks, survey articles, collection of questions, practice books, patents, new products or essentially improved existing products, new plant species, new livestock and new technologies.

Standard 10. Organization and material resources

For the performance of study programs the requisite scientific teaching units need to be provided, in house or outsourced.

In-house scientific teaching units are: teaching laboratories, scientific, research and development laboratories, technical centers and other R&D and innovation units within the higher education institution.

The science teaching units that are outsourced are: the institutes, centers of excellence, organizations for innovation activities, organizations for infrastructural support to innovative activities and food producing companies, intermediaries, equipment and services.

The teaching units are equipped with measurements, demo, computer, ICT equipment for experimental, demo and simulation trials in these study programs within the group of science teaching and applied courses.

In the area of biotechnology adequate experimental plots have to be provided, owned by the higher education institution or leased, of the total area of minimum 100 Ha of arable land with different crops and livestock breeds, with the application of modern technology, supported by high quality farm appliances that are needed in the study programs. In the area of forestry there must be suitable experimental estates owned by the higher education institution or leased, of the total area of minimum 1000 Ha of land consisting of various forest stands, producing seeds and nurseries with the application of modern technology, helped by modern technology and good farm machines.

The facilities at the experimental farms shall correspond to the study program requirements that are carried out in higher education institution.

Arts

Standard 5. Curriculum

The basic selection of arts studies is built in the major course.

The structure of the study program at the basic academic studies in the field of arts contains the following groups of courses expressed in ECTS credits in such a way that :

- arts groups of courses are represented by 50% to 60 %;
- theoretic arts groups of courses are represented by 30% to 40%;
- social and humanistic groups of subjects are represented by about 10%.

The structure of the study program at the basic professionals studies in the field of arts shall consist of the following groups of subjects expressed in ECTS credits:

- artistic groups of subject account for about 40% ;
- theoretical-art groups of subjects are represented by about 20%;
- professional applied groups of subjects are represented by about 30%;
- social-humanistic groups of subjects account for about 10%.

The number of ECTS credits which corresponds to the optional subjects in one study program shall be:

- at the basic studies at least 5%;
- at the diploma studies about 10%;
- at the doctoral studies about 20%.

Standard 9. Teaching staff

The teaching at higher education institutions in the field of arts is carried out as:

- individual;
- group;
- collective.

The organization of teaching is based on all the three ways of teaching activity, depending on the type and nature of the subject.

The size of the group in group teaching depends on the type and nature of the subject and ranges from 2 to 20 students.

Collective teaching is organized for the group of 300 students.

Maximum engagement per teacher cannot exceed 12 contact lessons a week.

Weekly and annual work load of the associates depends on the specificities of the study program, responsibilities of the associates and the title held according to the general bylaw of higher education institution.

Representative references for education-artistic area of music arts are:

- works of art of music (composition works) performed in the country and abroad;
- works of art in the area of music performed at the festivals in the country and abroad;
- concerts and opera performances in the country and abroad (performance activities);
- concerts and opera performance at the festivals in the country and abroad;
- master course and seminars in the country and abroad;
- participation in the musical competitions in the country and abroad;
- participation in juries at the musical competitions in the country and abroad;
- awards and recognitions for artistic activity;
- published theoretical or textbook works in the country and abroad (books and professional works and professional magazines).

Representative references for education artistic area of drama and performance work are:

- public performance of artistic work on the regular repertoire;

- public performance of artistic work at the manifestations and festivals;
- commercial realization of artistic work;
- participation or guidance of special art courses, seminars or master workshops in the country and abroad;
- participation in the work of juries at the national or international festivals;
- awards and recognitions for art work in the country and abroad;
- published theoretical or textbook works in the country and abroad (books and professional magazines).

Representative references for education artistic area of visual and applied art and design are:

- public exhibition of a work of art at the individual exhibitions;
- public exhibition of a work of art at the collective jury exhibitions and manifestations;
- commercialization of a work of art;
- participation or guidance of special art courses, seminars or master workshops in the country and abroad;
- participation in the national and international competitions of artistic works;
- participation in the work of juries in the local and foreign exhibitions. competitions and manifestations;
- awards and recognitions for artistic work in the country and abroad;
- published theoretical or textbook works in the country and abroad (books and professional magazines).

References in the area of science of art shall be determined in keeping with the standards applicable to the area of science.

Standard 10. Organizational and material resources

For the performance of study program an adequate space shall be provided with at least 5 m² net per student.

For the performance of study program necessary special premises depending on the specificity of the artistic area are provided: workshops, laboratories, area for exhibitions, concert halls, audio and opera studios, theatre hall, cinema, TV studio and the similar.

Necessary equipment for modern teaching is provided for the performance of the study program, depending on the specificities of artistic areas.

V. ACCREDITATION STANDARDS FOR STUDY PROGRAM OF DOCTORAL STUDIES

Special standard : Competence of higher education institution to carry out the doctor studies

The higher education institution can prove its preparedness for delivery of doctoral studies according to the indicators related to the science research work.

The higher education institution shall have a short term and long term work

program, and shall be accredited as science research institution in keeping with the law.

Capacities of a higher education institutions shall be measured according to the following criteria:

- number of doctoral dissertation and master thesis that were granted in the higher education institution in the area of accreditation of the study program, taking into account the ratio between the number of doctoral and master dissertations to the graduated students and the number of teachers;
- ratio of the number of teachers and the teachers involved in the science research projects;
- ratio of the number of publications and international magazines namely the number of articles in the international magazines of the ministry competent for science in the last 10 years and the number of teachers;
- cooperation achieved with the institutions in the country and abroad.

The higher education institution has the teachers under permanent employment contracts who were the mentors for doctoral thesis.

Standard 1. Structure of the study program

The doctoral studies carry minimum 180 ECTS credits, with the prior achievement of the volume of studies of at least 300 ECTS credits at the basic academic and diploma academic studies, namely 360 ECTS credits at the integrated basic and diploma academic studies of medical sciences. The doctoral dissertation is the final part of the study program at the doctoral studies, except doctors of arts, which is artistic program..

Each study program shall contains clear and unequivocally stated elements as follows:

- name and objectives of the study program;
- learning process outcome;
- scientific title;
- admission criteria;
- list of obligatory and optional study areas, namely courses with the frame contents,
- the manner of delivery of the studies - credit values of each course expressed in terms of the European credit transfer system;
- value of doctoral dissertation expressed in ECTS credits;
- preconditions for admission to individual subjects or groups of subjects;
- the manner of selection of subjects from other study programs at the same or another university;
- conditions for transfer from other study programs within the same or related study areas;
- and other matters of relevance for the delivery of study program.

Standard 2. Purpose of study program

Study program of doctoral studies has a clearly defined and published purpose and the role in the education system.

The purpose of the study program shall be clearly and unequivocally formulated.

The purpose of the study program of doctoral studies is the development of science, critical opinion and education of professionals capable of independent guidance of or original and scientifically relevant research and development of new technologies and procedures conducive to the general development of society, and scrutiny for the research of others.

The purpose of the study program must be in compliance with the mission and objectives of the higher education institution where the program is delivered.

Standard 3. Objectives of study program

The study program of the doctoral studies shall have defined objectives.

The objectives of study program include building of scientific capacities and academic skills, development of creative abilities and mastering of specific practical skills needed for future career advancement.

The objectives of the study program of doctoral studies are harmonized with the modern trends of the corresponding scientific discipline in the world.

The objectives of the study program must be in keeping with the basic goals and objectives of the higher education institution where the program is rendered.

Standard 4: Competences of graduated students

The student who completed the study program of the doctoral studies acquires general and specific capacities second to the quality of performance of the professional, scientific and artistic activity.

The program of doctoral studies should enable the students, after the completion of the study, to have knowledge, skills, developed abilities and competences for:

- independent solution of practical and theoretical problems in the area they covered and organize and carry out R&D;
- integration into the international scientific projects;
- carrying out the development of new technologies and procedures within their professions and to understand and use the latest knowledge in the given scientific area;
- thinking critically and acting creatively and independently;
- observing the principles of the code of ethics of goods scientific practice;
- communicate at the professional level in presenting their science research results, are trained to present the results at the scientific conferences, publish them in the scientific magazines, via patents and new technical solutions;

- contributing to the development of a scientific discipline and science in general.

Having completed the study program the student acquires the subject-specific competences, as follows::

- fundamental knowledge and understanding of the discipline of the corresponding occupation;
- capacity of solving the problems by using scientific methods and procedures;
- compilation of the basic knowledge from different areas and their application;
- capacity to follow up contemporary achievements in the profession;
- develop skills and agility to use knowledge in the respective field;
- use the ICT in mastering the knowledge in the relevant area.

Standard 5: Curriculum

Curriculum contains a list and structure of obligatory and optional subjects and models with description and doctoral dissertation as a final part of the study program of the doctoral studies, except the doctors of art, which is an artistic program.

Curriculum of doctoral studies enables insight of the students into the knowledge, skills and capacities they acquire during the studies.

Curriculum contains the defined fundamentals for independent research work of the students.

Curriculum defines the subjects and modules by volume and contents and the manner of realization.

The description of the contents contains the name, type of the subject, year and semester of studies, number of ECTS credits, name of the professor, the objective of the subject with the expected outcomes (knowledge and capacities), pre conditions for attendance, contents of the subject, recommended literature, methods of delivery of teaching, assessment of knowledge and grading and other appropriate data.

The number of credits corresponding to the optional subjects is minimum 50% of the total number of credits that correspond to all the subjects of the study program.

Curriculum more closely defines the requirements concerning the preparation of doctoral dissertation, specific for every educational scientific namely educational artistic field within the area.

The doctoral dissertation is an independent scientific or artistic work of the students at the doctoral studies.

The procedure for application, elaboration and defense of the doctoral dissertation is specified in the general bylaw of the independent higher education institution.

The number of credits for doctoral dissertation enters the total number of credits needed for finalization of doctoral studies.

At least a half of ECTS credits foreseen for the realization of doctoral studies goes to the doctoral dissertation and subjects which are connected with the topic of the doctoral dissertation.

Standard 6: Quality, modernity and international convergence of study programs

The study program follows the modern world trends and status in the profession and science in the corresponding educational scientific, namely education artistic field and compare with the similar programs at the foreign higher education institution within the European educational area.

The study program offers the students the state-of-the-art knowledge in the area covered and follows the latest achievements in science.

The study program is comprehensive and uniform and convergent with the other programs of the higher education institution.

The study program is formally and structurally convergent with at least three accredited foreign programs, of which at least two within the European education area.

There is formal and structural convergence of the national study program with the approved subject specific accreditation standards.

The study program is convergent with the European standards in terms of admission terms, duration of studies, conditions for transfer to the next year, acquisition of the diploma and the manner of studies.

Standard 7: Admission of students

The higher-education institution in line with the social demands and requirements of the development of science, education and culture and its resources shall admit the students to the study program of the doctoral studies.

The number of students admitted to the study program is established relative to available premises, teachers and other possibilities of the institution and estimated social demands at the labor market.

The candidates who achieved the volume of studies of at least 300 ECTS credits in the basic academic and diploma academic studies have the right to apply for admission, namely 360 ECTS credits on the integrated basic and diploma academic studies in medical sciences, as well as on the basis of credits earned during those studies and tests, abilities and capacities.

The doctoral studies require fluency in at least one foreign language determined by the higher-education institution.

The type of knowledge, abilities, and capabilities tested on admission as well as the manner of testing are published in the competition advertisement.

Standard 8: Grading and promotion of students

The grading of the students is performed by permanent follow up of the work and on the

basis of credits acquired by in performance of pre examination obligations and taking the exam. The doctoral dissertation is awarded on the basis of indicators of its scientific namely artistic contribution.

The students master the study program by taking the exams which carry certain number of ECTS credits.

The number of ECTS credits for each subject is determined on the basis of the work load of students during the learning of the subject and by application of accepted in advance and uniform methodology for all the subjects and programs of higher education institution.

The dissertation is final part of the study program of doctoral studies. The dissertation is part of the study program of the doctoral study. The dissertation is an independent science research work. The accomplished scientific contribution is graded according to the number of the scientific publications, patents or technical improvements. The conditions to be met are defined within the areas to come to the defense of the doctoral dissertation, based on the works published or accepted for publication in the international scientific reviews with reviews from the official list of the ministry in charge of science.

The manner and the procedure for the preparation and defense of dissertation is regulated with the general by law of the higher education institution which defines the acceptance of the dissertation topic, the grade of the dissertation and fulfillment for access to the public oral defense.

Standard 9: Teaching staff

For the realization of the study program of doctoral dissertation there is teaching staff with the necessary scientific capacities.

The higher-education institution which delivers the doctoral dissertation should have:

- defined selection criteria for teachers under permanent employment contract who have full time contract in a higher education institution and developed system of selection of teachers from other scientific institutions who take part in the delivery of doctoral studies;
- teachers capable of teaching at the doctoral studies proven by the list of works (10 major works) and the data on the participation in the national and international scientific research projects;
- minimum half of the teaching staff involved in science research projects.

Mentor has at least five scientific works published or accepted for publication in scientific magazines of the related area of the study program from the list of the ministry in charge of science in the last 10 years. Mentor may attend to maximum five candidates for a doctor at the same time.

The minimum number of teachers who take part in the study program of the doctoral studies with the permanent employment contract is five. Of the total number of teachers 50% are under permanent employment contact with the higher education institution.

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Standard 10: Organization and material resources

The delivery of study program is secured by suitable human resources, premises, technical and technological equipment, librarian and other facilities adequate to the character of doctoral study program and the number of students admitted..

The higher-education institution has short term and long term plan and budget for the realization of science research work.

The resources for the implementation of doctoral studies may be provided in cooperation with other higher education institutions, accredited scientific institutions and international organizations.

The higher-education institution provides the students with equipment or access to the equipment needed in science research, owned by the higher education institutions to be documented with a list of equipment with corresponding characteristics.

The higher-education institution ensures the use of equipment by the students or access to the equipment necessary in science research under contract on cooperation with other respective organizations.

The higher-education institution provides the access to the library and the use of library resources from own and other sources (books, monographs, scientific magazines, other periodicals) in the volume needed for the realization of the program of doctoral studies. The students at the doctoral studies have the access to the data bases necessary for making the doctoral dissertation and for science research work.

Adequate space is secured for delivery of teaching under the study program, suitable laboratories for experimental work and equipment based on contemporary ICTs.

Standard 11: Quality control

Every study program of the higher education institution regularly and systematically controls the quality via self-assessment and external quality reviews.

Quality control of the study program entails regular and systematic follow-up, control of quality and taking the measures for improvement in the following segments: curriculum, teaching, teachers and associates, grading of students, text books and literature.

Quality control of the program is carried out periodically as stipulated in the Law.

Study program quality control provides for the active role of students and their assessment of quality of program.

VI SUPPLEMENTARY ACCREDITATION STANDARDS OF DOCTORAL STUDIES WITHIN THE EDUCATIONAL SCIENTIFIC NAMELY EDUCATIONAL ARTISTIC FIELD

Mathematics sciences

Standard 8: Grading and promotion of students

At least one work of the student is published or accepted for publication in a magazine on SCI list.

Standard 9: Teaching staff

The competence of the teachers is determined on the basis of: scientific works published in the international magazines (at least one work published or accepted for publication in a magazine on SCI list), local magazines, science work published in the proceeds of international scientific gatherings, monographs, patents, text books, new products or essentially improved existing products.

Mentor has minimum three works on SCI list (criterion applicable as of 01.01.2009) and five works from SCI list (criterion applicable as of 01.01.2010).

Social- humanistic sciences

Standard 8: Grading and advancement of students

At least one work of the student published or accepted for publication in a national magazine figuring on the list of the Ministry in charge of science.

Standard 9: Teaching staff

The competence of teachers is determined on the basis of scientific works published in the international magazines, national magazines, works published in the proceedings of the international scientific gatherings, monographs, patents and textbooks.

The teacher who delivers the teaching at the doctoral studies has at least one work published or accepted for publication in a magazine on SSCI list (criterion applicable as of 01.01.2010).

Mentor shall have at least three works published or accepted for publication in the magazine on SSCI list (criterion applicable as of 01.01.2010).

Medical sciences

Standard 8: Grading and advancement of students

At least one work of the student is published or accepted for publication in a magazine on SCI list.

Standard 9: Teaching staff

The competence of the teachers is established on the basis of scientific works published in the international magazines (at least one work published or accepted for acceptance in the magazine on SCI list), scientific works published in national magazines, the works published in the proceedings from the international scientific gatherings, monographs, patents, new products or essentially improved existing product.

Mentor has at least three works from SCI list (criterion valid as of 01.01.2009) and five works from SCI list (criterion applicable as of 01.01.2010).

Technical-technological sciences

Standard 8: Grading and advancement of students

At least one work of the student published or accepted for publication from SCI list.

Standard 9: Teaching staff

The competence of teachers is determined on the basis of scientific works published in the international magazines (at least one work published or accepted for publication in a magazine on SCI list), scientific works published in national magazines, works published in proceedings from the international scientific conferences, monographs, patents, textbooks, new product or significantly improved existing product, new plant species, new livestock and new technologies.

Mentor has at least three works from SCI list (criterion applicable as of 01.01.2009) and five works from SCI list (criterion applicable as of 01.01.2010).

