

CLEAN COPY OF THE DOCTORAL STUDY PROGRAMME 3rd CYCLE

BUSINESS ECONOMICS AND MANAGEMENT,

implemented by University of Novo mesto Faculty of Business and Management Sciences

Novo mesto, February 2021

(change of access requirements - January 2024)

TABLE OF CONTENTS

| 1 | GEN | ERAL INFORMATION ABOUT THE PROGRAMME | 3 |
|----|-------------------|--|-----|
| 2 | GEN | DAMENTAL OBJECTIVES OF THE STUDY PROGRAMME AND IERAL AND COURSE-SPECIFIC COMPETENCES | |
| | $\frac{2.1}{2.2}$ | Fundamental objectives of the study programme | |
| | $\frac{2.2}{2.3}$ | Course-specific competences | |
| 3 | | ERNATIONAL COOPERATION OF THE INSTITUTION | |
| 4 | | RICULUM WITH ECTS (CREDIT POINTS) VALUES OF | |
| | | IVIDUAL STUDY OBLIGATIONS | |
| | 4.1 | Number of learning units with ECTS | |
| | 4.2 | Learning units and their inclusion in the programme structure | |
| | 4.3 | The ratio of lectures, seminars, tutorials and other organised forms | |
| | | study | 13 |
| | 4.4 | Practical training within the programme, implementation and ECTS | 15 |
| 5 | ACC | ESS REQUIREMENTS AND CRITERIA FOR THE SELECTION O | F |
| | CAN | DIDATES IN THE EVENT OF ENROLMENT RESTRICTIONS | 15 |
| 6 | | TERIA FOR RECOGNITION OF SKILLS AND COMPETENCES | |
| | GAII | NED BEFORE ENROLMENT | 16 |
| 7 | ASS | ESSMENT METHODS | 16 |
| 8 | PRO | GRESSION REQUIREMENTS FOR THE PROGRAMME | 16 |
| 9 | CON | DITIONS FOR TRANSFERS BETWEEN PROGRAMMES | 17 |
| 10 | MOI | DES OF STUDY | 17 |
| 11 | REQ | UIREMENTS FOR COMPLETION OF THE STUDY | 18 |
| 19 | PR∩ | FESSIONAL / ACADEMIC TITLE | 1 2 |

1 GENERAL INFORMATION ABOUT THE PROGRAMME

| Study Programme: | Business Economics and Management |
|--|--|
| Cycle: | third |
| Type: | doctoral study programme |
| Duration: | 3 years |
| ECTS amount: | 180 ECTS |
| Klasius P-16: | 0488 - Interdisciplinary programmes and qualifications involving business, administration and law 0521 - Environmental sciences 0613 - Development and analysis of software and applications |
| Research area (Frascati | Social sciences |
| classification): | Natural sciences |
| SOK (Slovene classification framework) | level 10 |
| EOK (European classification framework) | level 8 |
| EOVK (European higher education classification framework) | third cycle |
| Accreditation: | Council for Higher Education of the Republic of Slovenia, decision No. 6033-213/2009/8 on 26 October 2009 and decision No. 6033-213/2009/10 on 11 November 2009. |

2 FUNDAMENTAL OBJECTIVES OF THE STUDY PROGRAMME AND GENERAL AND COURSE-SPECIFIC COMPETENCES

2.1 Fundamental objectives of the study programme

Fundamental objectives of the doctoral study programme *Business Economics and Management* are to qualify doctoral students for:

- scientific thinking and solving of new problems in different scientific fields,
- creative and independent scientific research and solving of scientific problems of future employers,
- creative and independent scientific research work and solving scientific problems in a business environment,
- carrying out the most demanding work and tasks in the business environment,
- defining research problems and finding optimal solutions in the scientific field of their work,

- critical evaluation of research results and transfer of new knowledge into practice,
- equal integration into the international job market and research environment,
- further studies in postdoctoral programmes.

The objective of the doctoral study programme is to create a profile of doctoral students who gain in-depth knowledge of the narrower area of specialisation and research through the core courses of their field of study. At individual research work and active participation in international scientific conferences, etc. and at the doctoral seminar and organized forms of study work, they will gain insight into the latest research achievements in narrower or broader specialist fields and design criteria for evaluating their own and foreign research findings.

The ultimate objective is research proficient doctor of science with excellent internationally proven research results and the ability of quality independent research work. Depending on the needs of research institutions, the economy, and government institutions in the field of economics and business sciences, environmental management and management and development of information systems, the programme provides a focus on project or research tasks.

2.2 General competences

The competences of a doctor of science relate to the most demanding work and tasks that create added value and directly affect the development of science and the growth of the economic and social environment. Given the interest of each doctoral student, it is expected that he / she will deepen his / her expertise and focus on basic or applied research work.

Doctoral students who will focus on basic research work during their studies will become involved in work at research institutions at home and abroad. Doctoral students who will choose the applied research work will be able to perform the most demanding tasks in the business environment.

General competences developed by the doctoral students in the study field of Business Economics include:

- comprehensive critical thinking, the ability to analyse, synthesise and predict solutions in the field of economic, business, administrational, organisational and other sciences (interdisciplinary programme),
- knowledge and use of research methodology (methods, procedures, processes and technology),
- the ability to creatively use knowledge in the business environment,
- knowledge and understanding of processes in the business environment and the ability to analyse, synthesise and envisage solutions or consequences;
- the ability to identify the needs for changes and introduce innovations in the business environment,
- autonomy and responsibility in decision-making;
- commitment to professional ethics,
- the ability to develop the culture of non-discrimination and the consideration of intercultural differences;
- the ability to present acquired knowledge and research findings at domestic and foreign scientific conferences and in the international research environment,

• awareness of the necessity of one's own training, and broadening and updating knowledge.

General competences developed by the doctoral student in the study field of Environmental Management include:

- comprehensive critical thinking, the ability to analyse, synthesize and anticipate solutions in the environmental, natural, ecological, legal, innovation, economic and business sciences and their interdisciplinary integration and application,
- knowledge and application of research methodology (methods, procedures, processes and technology),
- the ability to creatively apply knowledge in the business environment at a global level and in the local environment,
- knowledge and understanding of processes in the business environment and ability to analyse, synthesize and predict solutions or consequences,
- the ability to recognize the need for change and introduce innovation in the business environment.
- independence and responsibility in decision making,
- the ability to present the acquired knowledge and research results at national and foreign scientific conferences and in scientific journals, as well as in the international research environment,
- awareness of the need for self-improvement, supplementation, deepening and updating of knowledge,
- commitment to professional ethics.

General competences developed by the doctoral student in the study field of Management and Development of Information Systems include:

- the ability to gain an in-depth understanding of the most modern fields of computer science and information,
- the ability to carry out creative and independent scientific research and development work, to solve complex and multi-faceted problems and to manage research and development projects,
- the ability to carry out independent and team-oriented research and development work in development and interdisciplinary groups, to apply scientific working methods and to master modern development procedures in the field of computer science and information technology,
- the ability to develop new research methods and to transfer new technologies and findings into practice
- application of modern tools and techniques in solving and presenting problems and concepts,
- the ability to synthesize and interpret data obtained in research and to transfer knowledge to a specific working environment.

2.3 Course-specific competences

Course-specific competences developed by the doctoral student in the study field of Business Economics include:

- thorough knowledge and understanding of the history of economic and business sciences,
- the ability for solving problems by using scientific methods and procedures,

- in-depth knowledge of economic or business sciences and their interdisciplinary integration and application,
- being qualified to strategically lead, manage and develop the most demanding work systems according to the contemporary organisational-economic principles,
- the ability to evaluate the quality of the work and achievements,
- the ability to recognise the impact of technology development on the safety of environment,
- thorough knowledge and the ability to use the most contemporary quantitative and qualitative research methods,
- the ability for independent planning and implementation of the research work, analysis and interpretation of data, formation and argumentation of opinions, views and proposals and preparation of the research reports,
- being qualified for active participation in scientific conferences, research workshops and doctoral and scientific seminars in the field of business and management sciences,
- thorough knowledge of the standards and guidelines for writing professional and scientific papers, articles, contributions, research reports, monographs, etc.,
- performance in accordance with the values and value systems, and professionalethical principles.
- the ability to independently plan one's own professional career and the career of employees in business environment.

Additional subject-specific competences are listed in the curricula for each learning unit separately.

The subject-specific competences developed by the doctoral student in the study field of Environmental Management include:

- thorough knowledge and understanding in the field of environmental and social aspects of sustainable development and environmental protection,
- in-depth knowledge of natural energy management, environmental remediation, human health, epidemiology, decision-making modeling, crisis management and learning organization,
- the ability to solve managerial problems using scientific methods and procedures,
- the ability to strategically manage, administer and develop the most sophisticated environmental management work systems according to modern organizational and economic principles.
- the ability to evaluate the quality of work and services,
- ability to recognize the impact of technological development on environmental protection,
- the ability to independently plan and conduct research, analyse and interpret
 data, formulate and justify opinions, positions and proposals, and prepare a
 research report,
- thorough knowledge of the standards and criteria for writing scientific articles and papers,
- the ability to actively participate in scientific conferences, research workshops, doctoral and scientific seminars in the field of environmental management,
- acting in accordance with values and value systems and professional ethics,
- the ability to plan independently one's own professional career and the career of co-workers in the business environment.

Additional subject-specific competences are listed in the curricula for each learning unit separately.

The subject-specific competences developed by the doctoral student in the study field of Management and Development of Information Systems include:

- thorough knowledge and understanding of information systems management and development,
- in-depth knowledge of information society theories and paradigms,
- in-depth knowledge of information systems,
- the ability to place computers and information technology in a wider social context.
- the ability to solve business problems using scientific methods and procedures,
- the ability to evaluate the quality of work and achievements,
- thorough knowledge and ability to apply advanced quantitative and qualitative research methods,
- the ability to independently plan and conduct research, analyse and interpret data, formulate and justify opinions, positions and proposals, and prepare a research report,
- the ability to participate actively in scientific conferences, research workshops, doctoral and scientific seminars in the professional field,
- thorough knowledge of standards and criteria for writing professional and scientific articles, papers, research reports, monographs, etc,
- acting in accordance with values and value systems as well as professional ethical principles,
- the ability to plan independently one's own professional career and the career of employees in the business environment.

Additional subject-specific competences are listed in the curricula for each learning unit separately.

3 INTERNATIONAL COOPERATION OF THE INSTITUTION

In 2011, the Erasmus University Charter (ECHE) has been first implemented, with which the Faculty gained the right to international exchanges of higher education teachers, students and to participation in the European projects.

The Faculty develops its international activity in four areas:

- organisation of international scientific conferences,
- exchange of students and higher education teachers/staff,
- · participation in international research projects, and
- individual contacts of pedagogical workers, researchers and associates.

4 CURRICULUM WITH ECTS (CREDIT POINTS) VALUES OF INDIVIDUAL STUDY OBLIGATIONS

Development of the doctoral study programme *Business Economics and Management* is the result of comprehensive teamwork of higher education teachers, researchers and the representatives of the business environment in the region and beyond. The study programme was designed in accordance with the provisions of the Higher Education Act, and in accordance with the criteria for accreditation of study programmes. It is

evaluated according to Criteria for Credit Assignment to Study Programmes According to ECTS.

Doctoral study programme *Business Economics and Management* means upgrading and deepening the master's degree programmes *Business Economics, Environmental Management* and *Management and Development of Information Systems*. In the scope of the complete annual student workload, 4% of study time is allocated to organised study work. The main student workload is based on individual research work, which is in accordance with the set objectives, as well as with the general and course-specific competences - as much as 96 % of the programme is performed as the individual work of students.

4.1 Number of learning units with ECTS

The following table shows the list of courses with names of learning units and the number of hours by individual semesters and years, number of hours of organised study work, number of hours of individual student work, annual student workload and credit evaluation according to ETCS.

Table 1: Curriculum with ECTS (credit points) values of individual study obligations

| | | osw | | | | | |
|-----|----------------------|-----|---|-----|-----|-----|------|
| No. | Forms of study work | L | S | osw | ISW | ASW | ECTS |
| | YEAR 1 | | | | | | |
| | 1st semester | | | | | | |
| 1. | Introduction Seminar | 5 | | 5 | 0 | 5 | 0 |

| 2. | Research Methodology | 30 | 30 | 60 | 390 | 450 | 15 |
|-----|---|----|----|-----|------|------|----|
| 3. | Core course of the study field I | 20 | 10 | 30 | 420 | 450 | 15 |
| | 2nd semester | | | | | | |
| 4. | Core course of the study field II | 20 | 10 | 30 | 420 | 450 | 15 |
| 5. | Individual research work I | | | | 300 | 300 | 10 |
| 6. | Doctoral Seminar | 10 | 30 | 40 | 110 | 150 | 5 |
| | Total in Year 1: | 85 | 80 | 165 | 1640 | 1805 | 60 |
| | YEAR 2 | | | | | | |
| | 3rd semester | | | | | | |
| 6. | Study field: Elective course of the study field I | 15 | 10 | 25 | 425 | 450 | 15 |
| 7. | Study field: Elective course of the study field I | 15 | 10 | 25 | 425 | 450 | 15 |
| | 4th semester | | | | | | |
| 8. | Individual research work II | | | | 900 | 900 | 30 |
| | Total in Year 2: | 30 | 20 | 50 | 1750 | 1800 | 60 |
| | YEAR 3 | | | | | | |
| | 5th semester | | | | | | |
| 9. | Individual research work III | | | | 450 | 450 | 15 |
| 10. | Individual research work IV | | | | 450 | 450 | 15 |
| | 6th semester | | | | | | |
| 11. | Doctoral dissertation | | | | 900 | 900 | 30 |
| | Total in Year 3: | | | | 1800 | 1800 | 60 |

Abbreviations:

Table 2: The scope of study in hours and ECTS

| YEAR | L | S | osw | ISW | ASW | ECTS |
|----------|-----|-----|-----|------|------|------|
| 1st YEAR | 85 | 80 | 165 | 1640 | 1805 | 60 |
| 2nd YEAR | 30 | 20 | 50 | 1750 | 1800 | 60 |
| 3rd YEAR | | | | 1800 | 1800 | 60 |
| TOTAL: | 115 | 100 | 215 | 5190 | 5405 | 180 |

 $[\]label{eq:L-individual} L \text{ - lectures, } T \text{ - tutorials, } OSW - organised study work, } ISW - individual student work, } ASW - annual student workload, \\ ECTS = European Credit Transfer System points.$

The study programme lasts for three academic years, i.e. six semesters. The programme comprises 5405 hours or 180 ECTS. It consists of the joint and elective part.

The joint part of the study programme

Students begin the programme with *Introduction Seminar* where they obtain all the necessary information and prepare a draft of their individual study plan together with a potential dissertation mentor. Introductory seminar lasts for five hours and is not ECTS evaluated. The joint part also comprises Research Methodology course (15 ECTS) and Doctoral Seminar (5 ECTS).

Elective section of the programme

The programme allows the planning of individual studies. The elective part of the study programme begins in the first year. Students select one of three fields of study (Business Economics, Environmental Management and Management and Development of Information Systems). Within each field of study, the student has two core courses in the first year. In the second year, the student chooses two elective courses (30 ECTS) from the electives offered. The student chooses these after consultation with their potential mentor and they are the basis for the issues discussed in the doctoral dissertation. In accordance with the provisions of Article 6 of the Criteria for Credit Evaluation of Study Programmes according to ECTS, students have the opportunity to fulfil part of their study obligations (at least 10 ECTS credits) at other third-cycle higher education institutions in Slovenia or abroad, with which the Faculty has an agreement.

Table 3: Elective courses in the field of study Business Economics

| No. | CORE - | | | | | | | |
|-----|------------------|-------------------------------|--------------|-------|-----|-----|-----|------|
| | Core | | | | | | | |
| | Course of | | | | | | | |
| | the Field | | 09 | SW | | | | |
| | of Study EC - | | O. | 7 * * | | | | |
| | Elective | | | | | | | |
| | Course | Learning unit | \mathbf{L} | S | osw | ISW | ASW | ECTS |
| 1 | CODE | Philosophy and Development | | | | | | |
| 1. | CORE | of Economic Thought | 20 | 10 | 30 | 420 | 450 | 15 |
| 2. | CORE | Microeconomics | 20 | 10 | 30 | 420 | 450 | 15 |
| | | Contemporary Organisational | | | | | | |
| 3. | EC | Paradigms | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Globalization and | | | | | | |
| 4. | EC | International Economy | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Legal and Economic Aspects | | | | | | |
| 5. | EC | of the EU Institutions | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Perspectives on Technological | | | | | | |
| 6. | EC | and Ecological Development | 15 | 10 | 25 | 425 | 450 | 15 |
| 7. | EC | Learning Organisation | 15 | 10 | 25 | 425 | 450 | 15 |
| 8. | EC | Creativity in Organisations | 15 | 10 | 25 | 425 | 450 | 15 |
| 9. | EC | Crisis Management | 15 | 10 | 25 | 425 | 450 | 15 |

Table 4: Elective courses in the field of study Environmental Management

| No. | CORE - | | | | | | | |
|-------|-------------------|------------------------------|----------|-------|-----|-----|-----|------|
| - 101 | Core | | | | | | | |
| | Subject | | | | | | | |
| | of the | | | | | | | |
| | Field of Study | | 09 | SW | | | | |
| | EC – | | <u> </u> | 7 1 1 | | | | |
| | Elective | | | | | | | |
| | Course | Learning unit | ${f L}$ | S | OSW | ISW | ASW | ECTS |
| | | Environmental and social | | | | | | |
| 1. | CORE | aspects of sustainable | | | | | | |
| | | development | 20 | 10 | 30 | 420 | 450 | 15 |
| 9 | CORE | Sustainable use of natural | | | | | | |
| 2. | CORE | resources | 20 | 10 | 30 | 420 | 450 | 15 |
| 3. | EC | Environment and health | 15 | 10 | 25 | 425 | 450 | 15 |
| 4. | EC | Epidemiology | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Sustainable management of | | | | | | |
| 5. | EC | natural resources | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Remediation of environmental | | | | | | |
| 6. | EC | damage | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Modelling of Decision | | | | | | |
| 7. | EC | Processes | 15 | 10 | 25 | 425 | 450 | 15 |
| 8. | EC | Crisis Management | 15 | 10 | 25 | 425 | 450 | 15 |

Table 5: Elective courses in the field of study Management and Development of Information Systems

| No. | CORE - | | | | | | | |
|------|------------------|----------------------------|------------|--|-----|-----|-----|------|
| 110. | Core | | | | | | | |
| | Course of | | | | | | | |
| | the Field | | 0 | SW | | | | |
| | of Study EC – | | <u> Uk</u> | 3 | | | | |
| | Elective | | | | | | | |
| | Course | Learning unit | ${f L}$ | S | osw | ISW | ASW | ECTS |
| 1 | CORE | Information society | | | | | | |
| 1. | CORE | paradigms | 20 | 10 | 30 | 420 | 450 | 15 |
| 2. | CORE | Situational engineering of | | | | | | |
| ∠. | CORE | development methodologies | 20 | 10 | 30 | 420 | 450 | 15 |
| | | Computer-Aided | | | | | | |
| 3. | EC | Technological Processes | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Software development | | | | | | |
| 4. | EC | paradigms | 15 | 10 | 25 | 425 | 450 | 15 |
| 5. | EC | High Performance Computing | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Advanced programming | | | | | | |
| 6. | EC | approaches | 15 | 10 | 25 | 425 | 450 | 15 |
| | | Cybernetics and cyber | | | | | | |
| 7. | EC | security | 15 | 10 | 25 | 425 | 450 | 15 |

Research work

Research work is arranged throughout the programme in a way that develops students' research competencies and leads them from guided towards independent research work in the selected area.

In the second semester, under the guidance of a potential mentor, students make a draft disposition of the doctoral dissertation. The corrected dispositions are presented and defended at the first doctoral seminar. Work on the preparation of disposition continues in the third and fourth semester. In the fourth semester, the student publicly presents and defends a disposition proposal. By the end of the second year, students must obtain the consent for the doctoral dissertation topic.

The fifth semester is intended for the individual students' research work on the doctoral dissertation. Their research findings are publicly presented at scientific conferences, research workshops, and scientific seminars. On the proposal of the mentor, each active cooperation is evaluated with 6 ECTS. Students must publish at least one article based on the dissertation topic in a relevant professional publication.

In the sixth semester, students need to finish the dissertation. Before handing it in, students need to publicly present and defend the dissertation at the doctoral seminar.

4.2 Learning units and their inclusion in the programme structure

The study programme lasts for three years, i.e. six semesters. Year 1 of each field of study comprises 3 common courses (45 ECTS), individual research work and Doctoral Seminar (15 ECTS). Year 2 comprises 2 elective courses of the field of study (30 ECTS) and individual research work (30 ECTS). Year 3 is based on students' individual research work (60 ECTS) and doctoral dissertation (30 ECTS).

Table 6: Learning units and their inclusion in the programme structure

| | Structure of the | No. of | Courses | RW in | Total | Total |
|------|---|--------|---------|-------|---------|-------|
| Year | programme | units | in ECTS | ECTS | in ECTS | in % |
| | Introduction Seminar | 1 | 0 | 0 | | |
| 1. | Common courses | 3 | 45 | 0 | | |
| | Individual research work and Doctoral Seminar | 2 | 0 | 15 | 60 | 33.3 |
| | Elective courses of the field of study | 2 | 30 | 0 | | |
| 2. | Individual research work | 1 | 0 | 30 | 60 | 33.3 |
| | Individual research work | 2 | 0 | 30 | | |
| 3. | Doctoral dissertation | 1 | 0 | 30 | 60 | 33.3 |
| | TOTAL IN ECTS | | 75 | 105 | 180 | |
| | TOTAL IN % | | 41.7 | 58.3 | | 100.0 |

External selection is enabled by two elective courses of the field of study (30 ECTS).

4.3 The ratio of lectures, seminars, tutorials and other organised forms of study

The programme comprises 4868 hours (180 ECTS), of which 1620 hours (60 ECTS) in each year. Organised study work includes 11.7%, 4.6% of which are lectures and 7.0% are tutorials. Individual student work represents 88.3% of the programme.

Table 7: The ratio of lectures, seminars, tutorials and other organised forms of study

| Year | L | s | osw | ISW | ASW | in ECTS |
|----------------|------|------|------|-------|-------|---------|
| 1. | 85 | 80 | 165 | 1640 | 1805 | 60 |
| 2. | 30 | 20 | 50 | 1750 | 1800 | 60 |
| 3. | | | | 1800 | 1800 | 60 |
| TOTAL in hours | 115 | 100 | 215 | 5190 | 5405 | 180 |
| TOTAL IN % | 2,13 | 1,85 | 3,98 | 96,02 | 100.0 | |

Forms of study work:

- organised study work: lectures, tutorials and doctoral seminar,
- individual study work: preparation for exams, independent research work preparation, writing, presentation and defence of the fundamental and applicative research papers.

Organised study work

Lectures are an organised form of study work, performed by internationally renowned course lecturers, who encourages students for an active cooperation and critical reflection through the use of modern methods of teaching and learning with the support of ICT.

Tutorials: In concordance with the syllabus of the individual learning unit, students prepare a fundamental or an applicative paper in written form, present it and defend it.

Introduction Seminar: The purpose of the Introduction Seminar is to familiarise students with the entire study programme (common content, orientation, transition conditions, verification and evaluation of knowledge), with organisation and implementation of the study process (international mobility), with planning of individual study paths, norms and standards of presentations and publications of one's own research findings, with the library and information support of study, including financial commitments and to renew the practical knowledge of the use of the SPSS programme for statistical data processing. It is compulsory for all new doctoral students. Its organisation and implementation is a responsibility of the head of doctoral study.

Doctoral Seminar: Students publicly present and defend the draft disposition of the doctoral dissertation. All mentors and other lecturers of the doctoral study programme are actively taking part in the Doctoral Seminar.

Individual research work of students

Fundamental research paper increases the scope of scientific knowledge, laws of phenomena and processes promoting the development of humankind. It does not offer a direct and immediately identifiable practical usability and commercial effects. New findings are bases for the applicative and developmental research.

Applied research paper: is theoretical or experimental research, aimed at solving practical problems pursuing the objectives, with commercial effects. It allows discovery of new scientific knowledge and its use in material production at developing new quality products or in introducing new production processes.

Doctoral dissertation is an independent original scientific work, adequate for defining the doctoral candidate's ability to act as an independent researcher in the scientific area, for which they will be awarded the Doctorate of Science degree. The research topic should be based on basic and applied research, along with the use of scientific research methods. The dissertation must contain new scientific facts, phenomena, theories, etc.

Doctoral dissertation can be prepared and published in the form of a monograph. Monograph is:

- a scientific publication in which the researcher examines the core scientific domain, topic, or problem, or
- a popular scientific publication, which comprehensively addresses a particular scientific problem, examines the topic, thing or phenomenon, or
- a scientific research.

The procedure, preparation and defence of the doctoral dissertation is defined in special Rules.

4.4 Practical training within the programme, implementation and ECTS

The practical training in direct work environment is not a part of the study programme.

5 ACCESS REQUIREMENTS AND CRITERIA FOR THE SELECTION OF CANDIDATES IN THE EVENT OF ENROLMENT RESTRICTIONS

Access requirements for the first year:

In the third-cycle study programme can enrol graduates:

- second-cycle study programmes (Bologna master's degree),
- study programmes that are worth 300 ECTS and last 5 years (for professions regulated by EU directives and standardised Master's courses for other professions),
- study programmes leading to a university education qualification, adopted before 11 June 2004,
- study programmes for obtaining scientific master's degree or specialisation after study programme for obtaining university education (at least 60 ECTS are recognised upon enrolment in accordance with the Commission for doctoral study),
- higher professional programmes and specialisation (30-60 ECTS are assigned on enrolment according to the decision of the Commission for doctoral study).

Criteria for the selection of candidates in the event of enrolment restriction Candidates will be selected according to:

- prior study performance according to the enrolment criteria 50%,
- research work of the candidate 30%.
- decision of the Head of doctoral study after an interview with the candidate -10%.
- active knowledge of at least one of the world languages 10%.

Candidates who have completed equivalent education abroad are enrolled under the same conditions.

Enrolment in a higher year

According to the Criteria for Transferring, a candidate transferring from a third cycle doctoral study programme may enrol in a higher year of this doctoral study programme if the following conditions have been met:

- the candidate meets the conditions for enrolment in the doctoral study programme Business Economics and Management,
- the study programme from which the candidate is transferring ensures, on completion of studies, the attainment of competences comparable to those of the doctoral study programme Business Economics and Management,
- if other criteria have been met in accordance with the Criteria for Transferring between Study Programmes (a comparable study programme syllabus, candidate's fulfilled requirements).

According to the Criteria for Transferring, a graduate of a master's study programme, adopted prior to 11 June 2004 (Master of Science), may also enrol in the second year of the doctoral study programme Business Economics and Management.

6 CRITERIA FOR RECOGNITION OF SKILLS AND COMPETENCES GAINED BEFORE ENROLMENT

Recognition of knowledge and skills acquired before enrolment in the study programme is regulated by the Rules on the recognition of knowledge and skills acquired before enrolment in the study programme at the University of Novo mesto, Faculty of Business and Management Sciences.

Upon the written application of the candidate, enclosed certificates and other documents, the faculty shall recognise the knowledge and training that fully or partly correspond to the general or course-specific competences of the *Business Economics and Management* doctoral study programme.

The student may get an individual exam, which they have previously accomplished, recognised if the exam matches the course in the new programme in at least 60% in content and scope. The recognition is performed by the Commission for doctoral study. Applications are examined individually.

7 ASSESSMENT METHODS

Pursuant to Article 35 of the Higher Education Act the assessment methods in the doctoral study programme do not need to be defined in details.

Knowledge and performance are assessed with two grades: **pass/fail.** The methods of verification and assessment of knowledge are defined in syllabuses for individual courses and the procedure of implementation is defined by the Rules on the Verification and Assessment of Knowledge.

Students are familiarised with the elements of verification and the criteria for assessment at the beginning of the academic year/an individual learning unit and in writing by the syllabus.

8 PROGRESSION REQUIREMENTS FOR THE PROGRAMME

Progression from 1st to 2nd year:

- minimum 30 ECTS acquired,
- public presentation and positive evaluation of the doctoral dissertation draft.

Progression from 2nd to 3rd year:

- minimum 60 ECTS acquired,
- consent of the faculty for the doctoral dissertation topic.

Requirements for performing the defence of the doctoral dissertation:

• completion of all study obligations, publication of at least one original scientific article in a foreign world language, which contains findings presented in the

doctoral dissertation, or findings that stem directly from the dissertation, in a peer-reviewed scientific journal with an impact factor. The PhD student may publish an article co-authored by the mentor, with the student being the lead author;

• publication of at least one article which contains findings presented in the doctoral dissertation, or findings that stem directly from the dissertation, at an international scientific conference; the article may be co-authored by the mentor, with the student being the lead author.

The list of journals important for the development of the scientific field of business sciences / environmental management / information systems are taken into account when verifying the fulfilment of the doctoral student's obligation to publish an article on the content of the dissertation. This is determined by the Rules on the preparation and defence of the doctoral dissertation.

9 CONDITIONS FOR TRANSFERS BETWEEN PROGRAMMES

According to the Criteria for Transferring between Study Programmes, transfers are possible between study programmes of the same level, which ensure the acquisition of comparable competences or learning outcomes at the end of the study programme. According to the Criteria for the recognition of knowledge and skills acquired before enrolment in the study programme, at least half of the obligations according to European Credit Transfer System (ECTS) from the first study programme can be recognized in relation to core courses of the other study programme.

The following conditions are observed in transfers between study programmes:meeting the conditions for enrolment in the study programme, the number of available study places,

• comparability of competences or learning outcomes that the student completed in the first study programme.

On transfers between study programmes, students may be recognised the completed study requirements from the previous study programme. The recognition is performed by the Commission for doctoral study upon the application of students.

10 MODES OF STUDY

The study is performed according to the valid normatives and the study calendar.

Organised study work in *part-time study* is organised consecutively, one course after another. Each course begins with lectures, followed by tutorials and examination. The same order is organised for all courses.

Remote study (e-study) or a combined form of study: In addition to the traditional form of study, a combined form of study is planned – a remote study for individual learning units or parts of learning units, using modern software solutions that enable audio and video communication (Skype, MS Teams, ZOOM, GoToMeeting, Webex and the online learning platform Moodle). The defence of research assignments, knowledge assessment and defence of the doctoral dissertation will take place at the faculty's seat with a direct communication. The extent of the implementation of the remote study in

individual subjects will depend on the number of enrolled students, the number of enrolled foreign students, the distance between the students' location and the location of the education institution, and students' employment (shift work, etc.).

Remote study allow greater adaptability and flexibility, help save time and money, and provide an easy access to a modern virtual study environment.

The scope of distance learning up to 50%: Introduction Seminar, Research Methodology, Core course of the study field I, Core course of the study field II.

The scope of distance learning up to 100%: Doctoral Seminar, Elective course of the study field I, Elective course of the study field II (determination of the scope will depend on the number of students who will choose individual elective courses and modules). This will be decided by the senate before the start of the academic year.

Higher education teachers are well qualified for the implementation of the remote study, because they are already using audio and video communication in their daily work. For the online learning platform Moodle, a training will be organised for all external staff before the start of the academic year.

Non-educational staff (student office, library, accounting, etc.) will not communicate with students in this way, they will have a direct communication.

11 REQUIREMENTS FOR COMPLETION OF THE STUDY

The requirement for completion of the study is the fulfilment of all the academic obligations defined in the programme in the amount of 180 ECTS.

12 PROFESSIONAL / ACADEMIC TITLE

In accordance with the Professional and Academic Titles Act, upon completing the study, students receive the academic title Doctor of Science (doktor/doktorica znanosti), abbreviated: PhD (dr.), written in front of the name.

Marjan Blažič, PhD, Acad. Prof., Rector

