MISKOLCI EGYETEM

JÓZSEF HATVANY DOCTORAL SCHOOL OF INFORMATION SCIENCES RULES OF PROCEDURE

No. 1.1.29 University Regulations

Date of entry into force: 1 April 2023

Issue and version number: A3

Responsible for preparation: József Hatvany, Head of the Doctoral School of Information Sciences

Responsible for publication: Rector of the University of Miskolc

Senate approval number: 89/2023.
Date of entry into force of the regulations: 1 April 2023.

Table of contents

I. Chapter

Purpose of the regulations
1. §

(1) The purpose of these regulations (hereinafter referred to as the Regulations) is to define the procedural and organisational rules of doctoral training at the József Hatvany Doctoral School of Information Sciences.

Legislation applicable to the Regulations and scope of the Regulations
2. §

(1) Basic legal regulations and other binding documents covering the areas specified as the purpose of the Regulations:

a) Act CCIV of 2011 on national higher education.
b) Act C of 2001 on the recognition of foreign certificates and diplomas.
c) Government Decree 87/2015 (IV.9.) on the implementation of certain provisions of Act CCIV of 2011 on national higher education.
d) Government Decree 423/2012 (XII.29.) on the higher education admission procedure.
e) Government Decree 387/2012 (XII.19.) on doctoral schools, doctoral procedures and habilitation.
f) Government Decree 51/2007 (III.26.) on the allowances and fees payable by students participating in higher education.
g) Government Decree 137/2008. (V. 16.) on state-recognised language examinations certifying foreign language proficiency and the recognition in Hungary of foreign language proficiency certificates issued abroad.

(2) The personal scope of the Regulations extends to all organisational units, all employees and all students of the University of Miskolc.

(3) The temporal scope of the Regulations: from the date of entry into force until revocation.

II. Chapter

GENERAL PROVISIONS

The Doctoral School
3. §

(1) The József Hatvany Doctoral School of Information Sciences (hereinafter: Doctoral School) was accredited by the Hungarian Higher Education Accreditation Committee (MAB) on 29 March 2019 with its decision No. 2019/3/VIII/3/2/ III. 29, based on the

doctoral programme in Information Technology of the Faculty of Mechanical Engineering and Information Technology, with validity until 29 March 2024.

(2) The tasks of the Doctoral School are based on Act LXXX of 1993, as amended several times, Government Decree 51/2001 (IV/3) on doctoral training, Act CCIV of 2011 on national higher education, Government Decree 387/2012 (XII. 19.) on the implementation of certain provisions thereof, Government Decree 87/2015 (IV. 9.) and the University of Miskolc's Doctoral Training and Doctoral Programme Regulations. (XII. 19.) on the implementation of certain provisions of Act CCIV of 2011 on national higher education, Government Decree 87/2015. (IV. 9.) on doctoral training and the regulations of the University of Miskolc on doctoral training and the award of doctoral (PhD) degrees.

(3) The Doctoral School prepares students for the acquisition of a doctoral (PhD) degree within the framework of a programme accredited by the Hungarian Accreditation Committee at the Faculty of Mechanical Engineering and Information Technology of the University of Miskolc. The aim of the programme is to ensure a continuous supply of higher education and scientific researchers in the fields of engineering and information technology. Doctoral students participating in the programme are prepared to write and defend their doctoral theses with the assistance of leading lecturers and researchers in the field of information technology (including foreign experts).

Key facts about the Doctoral School

4. §

MAB code number of the Doctoral School: **D39**

Field of science of the Doctoral School**:** **Engineering**

Field of science of the Doctoral School**:** **2.8 Information technology**

Name of the doctoral degree that can be awarded

: Computer Science

Name of Doctoral School**:** **József Hatvany Doctoral School of Information Sciences**

Date of accreditation of the Doctoral School: **MAB Resolution 2002/2/III.**

22 February 2002

Accredited relevant master's programmes taught at the institution:

Master's degree in Computer Engineering (MSc); accredited: 2 May 2007 (based on letter Ms94/160/2007 written by György Bazsa, President of the MAB, to the Rector of the ME).

Master's degree in Electrical Engineering (MSc); accredited: based on MAB Decision No. 2011/7/VIII/37 (based on letter No. 408-1/2011 written by György Bazsa, President of the MAB, to the Rector of the ME, MAB code: Ms1366).

Master's degree in Logistics Engineering (MSc), accredited: based on MAB Decision No. 2008/2/XI/12 (based on letter No. 182-5/2009 written by Ervin Balázs, President of MAB, to the Rector of the Hungarian University of Technology and Economics ( ), MAB code: Ms987)

Postal address: József Hatvany Doctoral School of Information Sciences

University of Miskolc, Faculty of Mechanical Engineering and Information Technology

3515 Miskolc-Egyetemváros

E-mail: hjphd@iit.uni-miskolc.hu

Website www.hjphd.iit.uni-miskolc.hu

Operating framework: The Doctoral School operates within the Faculty of Mechanical Engineering and Information Technology.

(1) Head of the School: The head of the Doctoral School is an internationally recognised full professor who is responsible for the academic standards and training activities of the school. The head of the Doctoral School is elected by the University's Doctoral Council from among the full professors, based on the recommendation of the majority of the full professors, and is appointed and dismissed by the Rector. The appointment is for a maximum of 5 years and may be renewed several times.

(2) Elected officers of the school: The conditions for membership of the Doctoral School are governed by the regulations of the University of Miskolc on doctoral training and the award of doctoral (PhD) degrees. The majority of the core members are full-time university professors. Core members must engage in continuous, high-level scientific activity. Core members must have at least five scientific publications from the five-year period preceding the current year, including at least three international journal articles, and their ten most important and representative scientific publications must include topics related to the scientific/research areas specified in the doctoral school's training plan.research areas included in the doctoral school's training plan. The core members of the Doctoral School and the members of the Doctoral Council are listed in Appendix 1. The list of members delegated to the Scientific and University Habilitation Committee is included in Appendix 2.

(3) Members of the Doctoral School:

a) core members,
b) supervisors,
c) lecturers,
d) guest lecturers,

who may participate in announcing and supervising scientific research topics, lecturing on doctoral subjects, and continuously organising the work of the Doctoral School.

The members of the Doctoral School are lecturers and researchers with academic degrees who are deemed suitable by the Doctoral Council of the Faculty to perform teaching, research and thesis supervision tasks.

Members of the Doctoral School are invited to participate in the work of the School by the head of the School.

The supervisors and co-supervisors of the Doctoral School may be university or external persons who, after obtaining their degree, have at least three scientific publications for a period of up to five years preceding the current year. Two of these must be international journal articles, one of which must be published in a journal with a minimum Q3 rating in at least one scientific field according to the current MTMT classification system. In addition, supervisors and co-supervisors must also have an appropriate level of foreign language proficiency.

(4) The appointment of members shall terminate:

a) upon the death of the member,
b) upon termination of the Doctoral School,
c) upon resignation,
d) by decision of the Doctoral Council of the Discipline (e.g. if it no longer considers the person suitable for performing teaching or supervisory tasks).

Internal organisation of the Doctoral School

5. §

(1) The educational and research activities and programme of the Doctoral School are determined by the

- subject area
    - subject group
        - topic

. From the extremely broad and expectedly expanding spectrum of information sciences, the Doctoral School cultivates three appropriately selected major subject areas. The hierarchical levels established within the subject areas reflect both the professional background of the Faculty and the diverse knowledge of its scientists. This hierarchical structure is present in each of the three selected subject areas.

The three priority subject areas and their associated subject groups are as follows:

a) Applied computer science
    aa) Algorithm theory and its applications
    ab) Data and knowledge bases, knowledge-intensive systems
    ac) Intelligent computing methods
    ad) Computer graphics and geometric modelling
b) Production informatics
    ba) Computer-integrated manufacturing informatics
    bb) Measurement and control technology information systems
c) Material flow systems, logistics informatics

ca) Information systems for the design and development of material handling systems

cb) Information systems for the operation, management, control and monitoring of material flow systems

Admission to doctoral programmes
6. §

(1) The contact details of the office organising the admission procedure are provided in Appendix 1.

(2) Forms of training:

Doctoral training prepares students for the acquisition of a doctoral degree after obtaining a master's degree. Doctoral training consists of training, research and reporting activities carried out on an individual or group basis, and consists of training and research, as well as research and dissertation phases. The programme may be pursued on a scholarship or self-funded basis, and its successful completion is evidenced by the award of a certificate of completion.

At the end of the training and research phase, which lasts a maximum of four semesters, a comprehensive examination must be taken to assess and evaluate the student's academic and research progress. If the doctoral student fails the comprehensive examination, their student status shall be terminated on the date of failure or non-completion.

Successful completion of the comprehensive examination is a prerequisite for beginning the research and dissertation phase, which lasts for a maximum of four semesters.

After the comprehensive examination, the student participates in the research and dissertation phase of the programme. This phase includes the preparation of a dissertation, the submission of which marks the beginning of the degree awarding process.

Doctoral students must submit their doctoral thesis within three years of passing the comprehensive examination. This deadline may be extended by up to one year in cases deserving special consideration. During the degree award procedure, the student's status may be suspended for a maximum of two semesters.

Students may prepare for the doctoral degree in the form of a scholarship or self-funded programme, in organised training or individually. In the case of individual preparation for a doctoral degree, by fulfilling the admission requirements for doctoral training and applying for and being accepted to the comprehensive examination, students may directly enter the research and dissertation phase of doctoral training.

A minimum of 240 credits must be earned in doctoral training. The training period is a maximum of 8 semesters.

(3) Admission requirements:

Applicants for the programme must take an entrance examination organised by the doctoral school.

Admission requirements differ for those who choose the programme organised for the acquisition of a doctoral degree and those who choose individual preparation.

The following requirements must be met when applying for organised training:

a) final-year university students and persons with a university degree may apply (when applying for doctoral training, applicants must request recognition of their foreign qualifications, attaching their degree certificate, documents certifying the duration and successful completion of their studies, and certified translations of the above documents),

b) the condition for admission is a university degree or master's degree with a minimum grade of "good" or "cum laude", certifying the successful completion of university studies with a final examination (state examination) (for admission to organised training according to an individual curriculum, based on a case-by-case decision by the University's Doctoral Council, a diploma with a lower grade may be accepted in the case of applicants with significant scientific work),

c) Admission to doctoral training is open to those who have a master's degree and professional qualifications, as well as the foreign language skills necessary for the pursuit of the field of science. The foreign language required for the pursuit of the Doctoral School's field of science is English or German, and proof of adequate proficiency in these languages may be provided by:

   ca) at least a "B2 complex" (formerly intermediate, "type C") state-recognised language exam or equivalent certificate (see Government Decree 137/2008)

   cb) a degree obtained through studies conducted in English or German.

   cc) a secondary school leaving examination in English or German, or

   cd) an institutional general language examination completed at the University of Miskolc, or

   ce) a presentation of at least 20 minutes in English or German during the admission interview and language proficiency demonstrated during the related discussion.

d) The candidate must have sufficient professional knowledge of the chosen topic.

e) Applicants with proven initial academic/professional achievements (e.g. Pro Scientia Gold Medal, publication, award-winning TDK thesis or other similar activities) will be given preference.

(4) Those who have prepared for the degree individually may also enter the research and dissertation phase of the doctoral programme by passing the complex examination. Applications for admission may be submitted until 15 April or 15 November of the current year. The conditions for application are the existence of scientific research results proven by publications and documented in the MTMT, and the achievement of at least 50% of the publication credits required of applicants at the end of the training and research phase. The subjects of the comprehensive examination are designated by the Doctoral Council of the Faculty. Based on the supportive opinion of the designated admissions committee, the comprehensive examination may be taken, and upon successful completion, the candidate will automatically receive 120 credit points. In addition, it is

possible to earn additional credit points. In this case, student status in the doctoral programme begins upon application, admission to the comprehensive examination, and the admission decision of the University's Doctoral Council. After successfully completing the comprehensive examination, the student immediately proceeds to the second research and dissertation phase of the doctoral programme.

(5) Requesting and submitting the application form:
The application form can be downloaded from the university's doctoral website (http://www.uni-miskolc.hu/phd-kepzes). The list of attachments and certificates required for the application can be found on the application form. Before applying, the research topic must be agreed with the selected supervisor.

(6) Admission procedure:
The deadline for applying for admission is determined by the University's Doctoral Council for the given year. The current deadline is announced on the university's website. For organised training, an admission procedure is organised annually in the second half of the spring semester to allocate state-funded places and admit self-financing students. For individual preparation, the application deadline is 15 November and 15 April. The admission procedure includes an oral entrance examination, which may be held online in exceptional cases. During the oral entrance examination, the Admissions Committee assesses the candidate's professional knowledge, ideas related to their doctoral work, previous academic activities, and language skills. The committee evaluates the applicants' performance on a scale of 0 to 100 points, ranks them based on these scores, and recommends or does not recommend their admission.
The scoring system for the entrance examination is set out in Annex 3.
The decision on admission is made by the University Doctoral Council. The evaluation criteria are set out in Annex 3.

The rules and credit system of doctoral training

7. §

(1) Doctoral training at the doctoral school consists of training, research and reporting activities tailored to the needs of the doctoral student, either individually or in groups, and consists of a training and research phase and a research and dissertation phase. Doctoral training, the first "training and research" part and the second "research and dissertation" part, is divided into stages of up to 4-4 semesters. The second stage includes the preparation of the dissertation, the submission of which marks the beginning of the degree awarding procedure. At the end of the fourth active semester of doctoral training, as a conclusion to the training and research phase and as a prerequisite for beginning the research and dissertation phase, students must pass a comprehensive examination that measures and evaluates their academic and research progress. In line with the training and research and research and dissertation phases, the training structure of the doctoral school is also two-tiered. The first level (basic science training) covers the teaching of basic mathematics and computer science, which is essential for the study of computer science and can be used in all subject areas belonging to the school. The second level (specialised training) serves to provide a theoretical foundation in the chosen subject area and subject group and to support specific research work. The rules of the training process, the training areas and the assessment criteria are set out in the Doctoral School Training Plan.

(2) In the case of individual preparation, after successfully completing the admission requirements and the comprehensive examination, students can proceed directly to the second stage of the programme, which consists of research and dissertation work.

(3) During the doctoral programme, after passing the comprehensive examination, students participate in the degree acquisition process by completing the research and dissertation phase, the aim of which is to obtain a doctoral degree. The research and dissertation phase may be commenced by doctoral students who have passed the comprehensive examination, have completed four semesters and have earned at least 120 credits during the first four semesters, including all academic credits. Doctoral students must submit their doctoral thesis within three years of passing the comprehensive examination. This deadline may be extended by up to one year in cases deserving special consideration, when the student is unable to fulfil their obligations arising from their student status through no fault of their own due to childbirth, accident, illness or other unexpected reasons. The suspension of student status in the degree programme may not exceed two semesters.

(4) Within the framework of their study obligations, doctoral students may be required to work for a period equivalent to 20 per cent of the total weekly working hours in the educational and scientific activities of the institution. The time spent by doctoral students on work, including the 20 per cent of their working time, may not exceed 50 per cent of their full-time working hours per week on average per semester.

(5) A minimum of eight (8) subjects must be taken as part of the doctoral programme, which must be completed with a successful examination. The enrolment of the 8 subjects is governed by a set of rules. In addition to the 8 subjects, further subjects may be taken if justified by the subject area. The total number of subjects taken may not exceed 12. The purpose of the rules is to provide doctoral students with appropriate guidance on the reasonable composition and internal structure of the knowledge to be acquired during their doctoral studies, while also giving them sufficient freedom to compile the knowledge that best supports their chosen field of research. Rules for course registration:

a) Students must enrol in four compulsory foundation courses, two of which are in mathematics and two in computer science.

b) At least one (1) subject must be taken in each subject area as prescribed for that subject area (or from among the compulsory elective subjects). This subject summarises the most important theoretical foundations of the subject area.

c) In each subject group, at least one (1) subject must be taken as prescribed for the subject group (or from among the compulsory elective subjects). This subject summarises the most important theoretical foundations of the subject group.

d) Two (2) additional subjects may be freely chosen from among all subjects announced by the Doctoral Council of the Faculty.

e) The course structure is therefore 4-2-2. Of course, there is no obstacle to taking more than the minimum number of subjects in each group.

f) The student's independent research on the dissertation topic is assessed on the basis of a written and professionally reviewed paper submitted to the doctoral school and the related research seminar, and the research work supervised by the student's

supervisor in the "Research Project" course consultations, students can earn a maximum of 15 credit points per semester in the training and research phase and a maximum of 20 credit points per semester in the research and dissertation phase. A maximum of 5 credits per semester may be awarded for independent research on the dissertation topic in the "Research Project" course consultations.

g) During the training and research phase, students must complete a total of at least three public research seminars, and during the research and dissertation phase, one public research seminar per semester, one of which may be replaced by the dissertation part of the comprehensive examination or the academic workshop discussion.

h) Participation in consultations on the "Research Project" course registered by the student's supervisor is mandatory in all semesters of both the training and research phase and the research and dissertation phase in order to continuously monitor the progress of the research work.

i) A maximum of 5 credits may be awarded per semester for research abroad within the framework of a short mobility programme (5-60 days), upon presentation of a report and its acceptance by the supervisor(s).

j) A maximum of 5 credits per semester may be awarded for research work carried out within the framework of research cooperation related to departmental research, upon presentation of a report and its acceptance by the supervisor(s).

k) Courses advertised for doctoral students may be taken by students enrolled in master's programmes in parallel with their studies in their final academic year. Upon successful admission to the PhD programme, the credits earned by the student in question in the master's programme shall be recognised at the time of the admission decision.

(6) At the end of the fourth semester of the doctoral programme, as a conclusion to the training and research phase and as a prerequisite for the start of the research and dissertation phase, doctoral students must pass a comprehensive examination in public before a committee. The condition for admission to the comprehensive examination is the acquisition of at least 90 credits, including all study credits, during the "training and research phase" of the doctoral programme. The comprehensive examination consists of a theoretical and a dissertation part. The examination committee and the minimum of two and maximum of three subjects/topics for the theoretical part are appointed by the Doctoral Council of the Faculty at the end of the third semester, taking into account the supervisor's proposal. If the second foreign language required for the degree is demonstrated by completing one of the subjects of the comprehensive examination in that language, the examination in that subject will also be conducted in that language.

(7) In the dissertation part of the comprehensive examination, the doctoral student gives an account of their knowledge of the literature, reports on their research results, presents their research plan for the second stage of doctoral training, and outlines the schedule for the preparation of the dissertation and the publication of the results.

(8) Doctoral students of the Doctoral School fulfil their study and examination requirements in accordance with the relevant regulations and the School's Credit System. Doctoral students who have earned the required credits in the doctoral programme receive a

certificate of completion. To obtain the certificate of completion, students must earn 240 credit points as follows:

a) Courses: 40-60 credits, with a value of 5 credits per course.
b) Publications related to the research topic: at least 50 credits.
c) Active participation in a research project: at least 20 credits.
d) Participation in teaching: maximum 20 credits.
e) Conference presentation: at least 20 credits.

The credit point system for activities eligible for the programme is detailed in Appendix 6.

Publication requirements and the Doctoral School's publication practice

8. §

(1) The Doctoral School provides doctoral students with various opportunities to fulfil the publication requirements necessary for obtaining their degree and submitting their thesis, as well as to publish their achievements, some of which are available directly and some through various competitions. These include opportunities to publish in the publications of the University of Miskolc and the publications of conferences organised by the University of Miskolc, at prestigious domestic and international conferences, and in international journals.

(2) The system of credit points that can be earned with different types of publications is detailed in Appendix 6.

(3) In order to obtain the absolutorium and initiate the doctoral procedure, only peer-reviewed articles containing the candidate's own results that are publicly available in printed or electronic form and registered in the MTMT can be taken into account.

(4) As part of the doctoral procedure, prior to the public defence and the appointment of the examination committee, the Doctoral Council of the Faculty shall check the candidate's publication activity on the basis of the MTMT. Doctoral candidates must have their own ID in the MTMT and must ensure that their publications and references are up to date in the database with the external IDs required for evaluation.

(5) Minimum publication requirements for the degree award procedure:

a) at least 2.0 reduced pieces, peer-reviewed, foreign-language scientific journal publications containing the candidate's own results related to the field of research (based on the MTMT), where the reduced number of pieces is the value calculated by dividing the number of authors without supervisors by the number of publications (1/(N-K), where N is the number of authors and K is the number of supervisors),
b) of which at least one publication must be in a journal with a Q3 rating in at least one scientific field, based on the MTMT system's current classification.

Doctoral School Scientific Seminar

9. §

(1) Doctoral students must report on their independent research in the dissertation topic assigned by their supervisor in a written and professionally reviewed paper submitted to

the doctoral school and at the research seminar organised in connection with this at , as well as in the "Research Project" consultations recorded by the student's supervisor.

(2) Participation in the "Research Project" consultations recorded by the student's supervisor is mandatory in all semesters of both the training and research phase and the research and dissertation phase in order to continuously monitor the progress of the research work.

(3) During the training and research phase (first 4 semesters), a total of at least three public research seminars must be completed, and during the research and dissertation phase, one public research seminar must be completed each semester, one of which may be replaced by the dissertation part of the comprehensive examination or the scientific workshop discussion of the dissertation.

(4) Students can earn a maximum of 15 credit points per semester for independent research on their dissertation topic during the training and research phase, and a maximum of 20 credit points per semester during the research and dissertation phase. A maximum of 5 credits per semester may be awarded for consultations on the "Research Project" course for independent research on the dissertation topic.

(5) Doctoral students must submit two bound copies of their thesis summarising their independent research on their dissertation topic in the relevant semester to the Doctoral School. Papers will only be accepted and sent for review if they bear the signature of the supervisor(s). The head of the Doctoral School will send the paper to a lecturer or researcher familiar with the topic for review. The student will receive the review before the research seminar presentation.

(6) Successful completion of the research seminar is confirmed by the minutes of the combined seminar organised in the month following the end of each semester.

(7) The head of the relevant subject area is responsible for ensuring that at least one professionally competent representative of the field, other than the supervisor, attends the research seminar. If this condition is not met, the student's research seminar cannot be assessed.

Doctoral School Forum
10. §

(1) The School Forum is convened once per academic year, chaired by the head of the School, to discuss general issues related to the programme. All doctoral students and members of the School are invited to the Forum at least one week before the meeting. In exceptional cases, the Forum shall be convened at the request of at least one-third of the students or members.

Management of the Doctoral School
11. §

(1) The head of the doctoral school and the person appointed by him or her shall be responsible for the financial management of the school, which includes, among other things, the

a) the allocation of available resources (material and human) according to the number of students, the number of hours taught, etc.,

b) the remuneration of doctoral students for teaching activities (see University Doctoral Regulations),

c) the allocation of scholarships (central allowance).

Submission of doctoral thesis, application for doctoral degree award procedure
12. §

1) The application for the doctoral procedure and its attachments must be submitted in two complete copies to the Scientific and International Directorate, addressed to the Chair of the University Doctoral Council.

(2) The prerequisite for initiating the doctoral procedure is the acquisition of an absolutorium. The general requirements for obtaining a degree are set out in Section 16 of the University Doctoral Regulations. The content and formal requirements of the application, the necessary attachments to be submitted, and the requirements for the timing of the procedure are set out in Section 20 of the University Doctoral Regulations.

Doctoral dissertations, theses
13. §

(1) The formal requirements for the compilation of doctoral dissertations are set out in Sections 19(1)-(5) of the University Doctoral Regulations.

(2) The completed thesis must meet the following requirements:

a) The doctoral dissertation is a summary of the doctoral candidate's own new scientific results, demonstrating that they are capable of independently solving scientific problems in line with the requirements of the degree. The doctoral thesis may be written in Hungarian or in a foreign language approved by the Doctoral Council of the Faculty. A doctoral thesis may not be written in co-authorship.

b) Length of the thesis (maximum and minimum): According to established practice, the length of theses generally varies between 60 and 100 pages. These should be considered guidelines, but any deviation from them must be reported and justified by the candidate to the Doctoral Council of the Discipline.

c) The thesis must include the names of the author, supervisor, co-supervisor, the Doctoral School and its director, the place and date of preparation, and the DOI identifier of the thesis. The dissertation must be accompanied by a recommendation from the supervisor (maximum 3 pages), which also covers the candidate's

publication record, a table of contents, a bibliography, and a summary in Hungarian and a foreign language (maximum 2 pages). The bibliography must also include the candidate's scientific publications . The dissertation may include appendices (e.g. a collection of photographs, documents, etc.).

d) Five bound copies of the thesis to be defended must be submitted. One copy will be catalogued and placed in the Library, Archives, and Museum, while the others will be placed in the specialised libraries of the educational units responsible for the subject.

e) The candidate is also required to submit the entire dissertation, its summary and theses in Hungarian and English (or other languages appropriate to the specific field of study) in electronic form, which will be archived by the Library, Archives and Museum after successful defence. The archived documents must include the detailed justification of the examination committee, as presented at the defence, and its statement on the acceptance of the theses.

f) The Library, Archives and Museum shall ensure that the thesis and its accompanying documents are made available to everyone on the University's website in a separate database.

g) At the candidate's request, publication may be delayed for up to two years based on the decision of the University's Doctoral Council. In the case of doctoral dissertations subject to patent or protection procedures, the publication of the doctoral dissertation and doctoral theses may be postponed at the candidate's request, based on the supporting opinion of the review committee and with the approval of the Doctoral Council of the Faculty, for a maximum of until the date of registration of the patent or protection. Doctoral dissertations and theses containing classified information for reasons of national security shall be made public after the expiry of the classification period.

h) The candidate must attach 10 copies of the thesis booklet to the dissertation. The doctoral dissertation thesis booklet shall contain:

ha) a brief summary of the research task set out in Part I,

hb) in Part II, a brief description of the studies and experiments carried out, the methods of data collection, the exploration and use of sources,

hc) in Part III, a brief summary of the scientific results, their utilisation and potential applications. Utilisation may include: the direct or indirect practical application of the results, the promotion of internal development within the discipline, or the enrichment of other disciplines with new knowledge,

hd) in Part IV, a list of publications on the topic of the work,

he) a dissertation utilising the results of collective research work, or in the case of a printed work, the applicant shall describe in detail and accurately his or her work in the collective. The applicant must first show the theses to the other members of the collective, who shall also declare whether they recognise the results presented in the theses as the applicant's results.

Scientific workshop discussion
14. §

(1) Before submission, the dissertation must be submitted to a scientific workshop discussion organised by the professionally competent organisational unit. The minutes of the discussion must be attached to the dissertation upon submission.

(2) The rules of the scientific workshop discussion are as follows:

a) The scientific workshop discussion shall be organised by the competent educational organisational unit on behalf of the Doctoral Council of the Faculty. The chair of the scientific workshop discussion shall be the head of the organisational unit concerned, unless he or she is the applicant's supervisor. In the latter case, the head of the organisational unit shall appoint a corresponding level of corresponding chair.

b) The scientific workshop discussion shall be held at the location where the doctoral student's research activities are primarily conducted.

c) The scientific workshop discussion shall verify that the doctoral thesis contains authentic data, that the scientific results contained therein are the applicant's own, and that the thesis meets the formal requirements.

d) Minutes shall be taken of the scientific workshop discussion, listing the names of those present and briefly recording the positions taken on the issues referred to in points i., ii. and iii. above, as well as the opinions expressed. The minutes shall be forwarded to the chair of the Doctoral Council of the Faculty.

e) The workshop discussion and its minutes are public.

Complex examination
15. §

(1) At the end of the fourth active semester of the doctoral programme, as a conclusion to the training and research phase of the programme and as a prerequisite for the start of the research and dissertation phase, doctoral students must pass a complex examination that measures and evaluates their academic and research progress.

(2) Requirements for applying for the comprehensive examination: For scholarship and self-funded students: 90 credit points, which can be earned by passing exams in four compulsory subjects and optional subjects, completing three research seminars, and earning at least 10 credits from publications. For individual candidates, the subjects of the comprehensive examination and the chair and members of the committee are appointed by the Doctoral Council of the Faculty. Based on the supportive opinion of the appointed admissions committee, the comprehensive examination may be taken, and upon successful completion, the candidate automatically receives 120 credit points.

(3) The foreign language requirements for obtaining a doctoral degree are to demonstrate proficiency in the chosen foreign language (English or German) necessary for the pursuit of the field of science and for giving professional scientific lectures in one of the following ways:

a) language exam (intermediate (B2), complex), or

b) a degree obtained through studies conducted in English or German, or
c) institutional general, specialised or PhD language exam completed at the University of Miskolc and/or
d) at least one research seminar presentation in a foreign language (English or German) during doctoral studies and at least one certified presentation in a foreign language at an international conference.

(4) The complex examination must be taken publicly before a committee. The examination committee shall consist of at least three members, at least one third of whom shall not be employed by the institution operating the doctoral school. The chair of the examination committee shall be a professor at the University of Miskolc or a lecturer or researcher with a PhD from the Hungarian Academy of Sciences. All members of the examination committee shall hold an academic degree. The candidate's supervisor may not be a member of the committee, but shall be required to evaluate the doctoral student's work in writing in advance and orally during the comprehensive examination. In the event that the second foreign language required for the degree is demonstrated in the context of the comprehensive examination, the comprehensive examination is completed in the second foreign language, and the chair of the examination committee and the member examining the subject in question must have knowledge of that language. The work of the committee is assisted by a secretary who is not a member of the committee but holds an academic degree. The examination committee is appointed and invited by the Doctoral Council of the Faculty at the end of the third semester, taking into account the proposal of the supervisor.

(5) The comprehensive examination consists of two main parts

a) Theoretical part: the doctoral student demonstrates their knowledge of the scientific literature in their field and their current theoretical and methodological knowledge. They take examinations in at least two subjects/topics, which are designated by the Doctoral Council of the Scientific Discipline, taking into account the recommendations of the supervisor. The list of subjects is included in Appendix 5. At least one of the subjects must be a compulsory subject of the selected topic group or subject area. The examination may also include a written part. If the second foreign language required for the degree is demonstrated by completing one of the subjects of the complex examination in that language, the examination of the subject in question shall be conducted in that language.
b) Dissertation part: the doctoral student reports on their research results, presents their research plan for the second stage of their doctoral training, and outlines the schedule for the preparation of their dissertation and the publication of their results. The doctoral candidate shall present their scientific research report and plan in a lecture and, prior to the examination, in writing. The length and format requirements for the written report shall be determined by the council of the doctoral school concerned.

(6) Procedure for organising/conducting the comprehensive examination:

a) The Doctoral Council of the Scientific Discipline appoints and invites the examination committee, taking into account the supervisor's proposal, and determines the subjects/topics of the theoretical part of the comprehensive examination.

b) Setting the date of the examination: after consultation with the examination committee, the supervisor makes a proposal to the head of the Doctoral School of regarding the date of the examination within the examination period, which is then entered into the Neptun system by the staff member responsible for doctoral matters at the Dean's Office;

c) At least two weeks before the date of the examination:

ca) the doctoral student shall submit, in writing and with the signature of the supervisor, one copy in hard copy and one copy in electronic form of a report on the results of their research, their research plan for the second phase of their doctoral training, and a schedule for the preparation of their dissertation and the publication of their results. Structure of the written report: a brief summary of the results achieved so far in Hungarian or English, maximum 6 pages; a list of published publications; articles submitted or accepted for publication in full; a research plan for the research phase, maximum 4 pages; a schedule for future publications.

cb) The supervisor is required to submit a written evaluation of the doctoral student's work in one copy and in electronic form.

d) After receiving the written materials, the head of the Doctoral School shall send the examination invitation and the written materials to the members of the examination committee in electronic form.

e) The staff member of the Dean's Office responsible for doctoral matters shall prepare the minutes of the examination for the minute-taker.

(7) Evaluation of the comprehensive examination:

a) The examination committee evaluates the theoretical and dissertation parts of the examination separately and decides on their acceptance with a score of 0-1-2-3. The complex examination is evaluated on a two-point scale: "pass" or "fail". The grade is determined by the ratio of the score achieved to the maximum score:

aa) 60-100% is "pass",

ab) 0-59.9% "failed".

b) The comprehensive examination is considered successful if the candidate achieves 60% in both parts of the examination.

c) The result of the complex examination shall not be taken into account in the grading of the doctoral degree.

d) The results of the examination shall be announced on the last day of the examination.

e) A report containing a detailed assessment of the conditions for admission to the comprehensive examination and the findings of the examination shall be drawn up, which shall evaluate the doctoral student's performance to date and expected performance in accordance with the complex requirements. This document shall be submitted in full to the Academic and International Directorate.

f) After passing the examination, the doctoral student may continue their studies.

g) In the event of failure of the comprehensive examination, the doctoral student may retake the examination once during the given examination period.

Doctoral School website
16. §

1) The school's website lists
   a) its educational and research programmes, advertised subjects,
   b) the regulations of the doctoral school,
   c) the members of the Doctoral School,
   d) announced research topics,
   e) the location and time of professional lectures,
   f) programmes featured in the Doctoral School's Scientific Seminar,
   g) opportunities for study trips abroad,
   h) materials presenting the scientific results of doctoral students,
   i) the location and time of scientific workshops,
   j) the location and time of defences,
   k) dissertations in downloadable format,
   l) calls for conferences and events.

Doctoral School records
17. §

1) The school keeps records of persons who have obtained degrees and maintains contact with its graduates. The records contain:
   a) the name of the person who obtained the PhD degree,
   b) the title of the dissertation,
   c) the date of degree conferral,
   d) the name and position of the supervisor,
   e) the composition of the Examination Committee, the names of the opponents,
   f) the most important results achieved, and relevant publications.

Quality assurance
18. §

1) The Doctoral School performs its work in the field of quality assurance in accordance with the criteria set out in the accreditation material. The principles of quality assurance are contained in the Doctoral School's Quality Assurance Plan.

Assessment of individual applications
19. §

1) Individual requests and complaints must be submitted to the head of the doctoral school. In the case of personal matters and professional matters affecting more than one person, the president shall establish an examination committee to investigate the matter. The committee shall prepare its assessment and recommendations in a report by the specified deadline. Based on the opinion of the investigative committee, the president shall submit a decision proposal to the Doctoral Council of the Faculty, which shall make its decision.

Chapter III.

Final and effective provisions
20. §

1) These regulations were adopted by the Senate of the University of Miskolc by Resolution No. 89/2023, effective 1 April 2023, simultaneously repealing the operating regulations of the József Hatvany Doctoral School of Information Sciences at the University of Miskolc, adopted by Resolution No. 190/2016 and amended several times.
2) For matters not covered by these rules, the provisions of the University of Miskolc's doctoral training and doctoral (PhD) degree regulations shall apply.

Miskolc, 31 March 2023.

Prof. Dr. Jenő Szigeti
Head of the Doctoral School

Prof. Dr. Zita Horváth
Rector, President of the Senate

1. Appendix

Core members of the Doctoral School:

Jenő Szigeti DSc, university professor
László Czap PhD, university professor
Béla Illés PhD, university professor
Imre Juhász DSc, university professor
László Kovács PhD, university professor
Szilveszter Kovács PhD, university professor
Sándor Radeleczki CSc, university professor

Members of the Doctoral Council:

Internal members with voting rights:

Chair: Jenő Szigeti, DSc, university professor
Vice-Chair: Szilveszter Kovács PhD, university professor

László Czap PhD, university professor
Béla Illés PhD, university professor
László Kovács PhD, university professor
Szilveszter Kovács PhD, university professor
Sándor Radeleczki, CSc, university professor
József Vásárhelyi, PhD, associate professor

External members with voting rights:

Péter Kacsuk, DSc, university professor

Ferenc Friedler, DSc, university professor

Péter Korondi, DSc, university professor

József Váncza CSc, senior research fellow, MTA Sztaki

External members with advisory rights:

Zsolt Csaba Johanyák PhD, college professor

Doctoral student representative with voting rights

Office organising the admission procedure:

Secretariat: Dean's Office of the Faculty of Mechanical Engineering and Information Technology

Address: 3515 Miskolc-Egyetemváros, Building C/1, 1st floor

Telephone: 46 565 111/10-21

E-mail: emese.homonnai@uni-miskolc.hu

2. Appendix

Members of the Scientific Habilitation Committee:

Béla Illés PhD, Dr. Habil., university professor (chair)
Internal members:
Dr. László Kovács, university professor
Dr. Sándor Radeleczki, university professor
Jenő Szigeti, DSc, Dr. Habil., university professor
External members:
Dr. Péter Kacsuk, scientific advisor, (MTA-SZTAKI)
Prof. Dr. Antal Véha, university professor (SZTE)

Members delegated to the University Habilitation Committee:

Béla Illés PhD, Dr. Habil., university professor
Szilveszter Kovács, PhD, university professor

3. Appendix

SCORING SYSTEM

for the admission of applicants to doctoral (PhD) programmes

Candidate Name:

Address:

Qualification: **(mechanical engineer – computer engineer – other: ……...)**

A./ Professional and language skills max. 50 points

	Professional:	**Average grade point average**				**Score achieved**
	Average	2.01 -	3.01 - 4.00	4.01 - 4.50	4.51 - 5.00	
1	Examinations /					
	Points:	-	*8*	*10*	*12*	
2	Total for all subjects and					
	Points:	-	*12*	*16*	*20*	
3	Conversation:	*4-7*				
4	**Language:**	**2nd intermediate language exam type**			**Partial training*** **	**Description of scientific work**
	Maximum 15 points	A: 5	B: 5	C: 10	*5*	*1 - 6*
	Higher language exam**	*5 or 15*			-	-
	Total:	*maximum 50 points*				

B./ Suitability for research work maximum 50 points

	Application	**Points achieved**

1	Written application			maximum 15 points			
2	Oral presentation*			maximum 25 points			
3	**Local TDK conference ranking**			**National TDK conference ranking**			
	I	II	III	I	II	III.	
	4	3	2	8	6	5	
4	**Scientific conferences**						
	Domestic (5 points)			International (6 points)			
5	**Scientific publication**						
	In Hungarian (7 points)			In a foreign language (8 points)			
6	**Diploma thesis**						
	Satisfactory or average grade: 0			good or excellent grade: 4-5			
	Total:			*maximum 50 points*			

For undergraduate programmes, the average of the core subjects must be taken into account, while for MSc programmes, the average of the core natural science subjects must be taken into account.

* Doctoral candidates must demonstrate their professional intelligence, aptitude for research, knowledge of their chosen field of study, and research ideas in an 8-10 minute oral presentation. The admissions committee will ask questions during the presentation.

The essence of the presentation must also be presented in a foreign language for approximately 3-4 minutes in order to demonstrate professional language skills.

** Admission and graduation require an intermediate language exam, so no points are awarded for this. If the candidate has an advanced language exam, they will receive +5 points. For any other language exams beyond this, points will be awarded according to A, B, C, or +15 points for an advanced language exam.

*** In the case of partial training, points should be awarded if the candidate has successfully passed an exam at a foreign institution or written their thesis in a foreign language.

4. Appendix

SUBJECT GROUPS

The educational structure and the description of the individual professional areas are included in the training plan of the József Hatvany Doctoral Council for Information Sciences.

The compulsory elective subject group for mathematics and computer science is as follows:

1. Discrete Mathematics I.
2. Algorithm Theory
3. Mathematical logic and its applications
4. Programming Paradigms

The compulsory subjects (subject groups) in the school's three subject areas and subject groups are summarised below:

(1) **Applied computer science subject area**

Compulsory subjects in this subject area:

- Combinatorial algorithms
- Differential and integral equations
- Ontology-based information models
- Parallel algorithms
- Mathematical logic and its applications
- Modern analysis

(A) Algorithm theory and its applications topic group

Compulsory subjects in this topic group:

- Complexity of algorithms

(B) Data and knowledge bases, knowledge-intensive systems topic group

Compulsory subject of the topic group:

- Data mining theory and technology

(C) Intelligent computing methods subject group

Compulsory subjects in this subject group:

- Intelligent computing methods

(D) Computer graphics and geometric modelling subject group

Compulsory subjects in this subject group:

- Computer graphics

(2) **Production informatics subject area**

Compulsory subject in this subject area:

- Theory of production systems and processes

(A) Computer-integrated manufacturing informatics subject group

Compulsory subject of the subject group:

- Modelling of production processes

(B) Measurement and control technology information systems subject group

Compulsory subject of the topic group:

- Control engineering information systems

(3) Material flow systems, logistics informatics subject area

Compulsory subject of the subject area:

Theory of material flow systems

Theory of logistics systems

Information systems for the design and development of material handling systems

Compulsory subjects in this subject area:

- Procurement and distribution logistics
- Production logistics

Information systems for the operation, management, control and monitoring of material flow systems

Compulsory subjects in this subject group:

- Logistics of manufacturing systems
- Service logistics

Appendix 5

CREDIT POINTS

Achievements in the training programme are recognised on the basis of a credit system. The following credit points can be awarded for each activity completed.

Main activity	Sub-activity	Credit points
Completion of compulsory subjects (A) (4 subjects)		5
Completion of compulsory elective subjects (min. 2)		5
Completion of freely selectable subjects (min. 2)		2
Research work related to the dissertation during the training and research phase (semesters 1-4) per semester: "Research Project" course (max. 5 credits), research seminar, research report.		5-15
Research work related to the dissertation during the research and dissertation phase (5th-8th semester) each semester: "Research Project" course (max. 5 credits), research seminar, research report.		5-20
For research abroad within the framework of a short mobility programme (5-60 days), with the presentation of a report and its acceptance by the		0-5

supervisor(s) at , every semester.		
Research work carried out within the framework of research cooperation related to departmental research, with the presentation of a report and its acceptance by the supervisor(s) each semester.		0-5
Teaching activity for one semester (1 credit per hour per semester, max. 5 credits)		0-5
Publication		
	In a Q1-rated journal	80
	In a Q2-rated journal	60
	In Q3-rated journals	50
	Other indexed, prestigious international journals	30
	Other peer-reviewed journals in a foreign language	20
	Other peer-reviewed journals in Hungarian	15
	Article in a foreign language published at an international conference (with or without a conference presentation)	15
	Article published at a non-international conference (with or without conference presentation)	10
	Foreign language presentation at an international conference (presentation only, no conference publication)	10

	Presentation given at a non-international conference (presentation only, no conference publication)	5
	Conference presentation given as part of a short mobility programme (5-60 days).	5
	Book chapter in a foreign language	10
	Book chapter in Hungarian	10
	Teaching aid	1-4
	Review in a foreign language	4
	Review in a foreign publication in a foreign language	5
	Patent submitted	5
	Domestic patent granted	20
	Foreign patents granted	40

Appendix 6

Quality assurance appendix

Quality assurance decision of the József Hatvany Doctoral School of Information Sciences

2020

The principles and practical tasks of the Doctoral School's quality assurance system are governed by the principles laid down in the Quality Assurance System of the University of Miskolc, the Regulations for Doctoral Training and Doctoral (PhD) Degree Acquisition at the University of Miskolc, and the School's Operating Regulations. The following activities are of particular importance in the quality assurance of the training provided by the Doctoral School:

- Announced doctoral topics
- Admission system
- Monitoring student progress
- Selection of doctoral programme subjects
- Credit system for doctoral training
- Requirements for obtaining a PhD degree
- PhD degree award procedure
- Doctoral School website.

The developed quality assurance plan supplements and specifies in detail the higher-level operating rules (Government Decree 387/2012 (XII.19.) on doctoral schools, the doctoral procedure and habilitation; the amended version of the Nftv. (Act CCIV of 2011 on national higher education) amended version; Regulations of the University of Miskolc on doctoral training and doctoral degree acquisition)

1. Selection of core members

Core members are expected to maintain a high level of scientific activity. To assess this, core members must have at least five scientific publications from the five-year period preceding the current year, of which at least three must be articles in international journals. In addition, the ten most important and representative scientific publications of the core member's scientific career, including those published in the current year, must include topics that are relevant to the scientific/research areas included in the doctoral school's training plan.

2. Selection of supervisors

The Doctoral Council of the Faculty solicits proposals for doctoral training topics on an annual basis. In accordance with ODT regulations, the general requirement for supervisors is active publication activity. The supervisors and co-supervisors of the Doctoral School may be selected from among university or external persons who, after obtaining their PhD degree, have at least three scientific publications for a period of up to five years prior to the current year, including at least two international journal articles, of which at least one publication must be in a journal classified as at least Q3 in at least one scientific field according to the current MTMT system classification. A supervisor may supervise the work of a maximum of six doctoral students at the same time. Supervisors must also have an appropriate level of foreign language proficiency. The topics announced each year are approved by the Doctoral Council of the Faculty, which examines the scientific and professional performance and foreign language proficiency of the prospective supervisor over the past period.

3. Admission system

Applicants must submit a written outline of their proposed research topic and complete the admission form. The oral interview will include a discussion of general and professional issues and an assessment of communication skills in a foreign language. The scoring system takes into account the activities carried out during the graduate programme, the actual level of language proficiency, research experience, and ideas related to the chosen doctoral topic. Admission of applicants with a state scholarship can only be recommended if they score 70 points out of a maximum of 100 points.

4. Monitoring student progress

Semesterly evaluation of the completion of the curriculum agreed with the supervisor, the topic group and the topic area leader. Preparation of a concise written report on the progress of the research topic for the supervisor every semester. The student shall report publicly on the partial results they consider significant at least twice at the research site of the thesis supervisor or at wider public forums organised by the Doctoral Council of the Faculty. Presentation of an annual research report at the research site of the supervisor or at wider public forums organised by the Doctoral Council of the Faculty. The submitted written material is reviewed in advance by an invited expert. Taking into account the critical comments made by the reviewer, the student modifies the report as necessary. (At the end of the first year, the critical analysis of the literature forms the main part of the research work). On the occasion of Hungarian Science Day, in accordance with established practice, the Faculty of Mechanical Engineering and Information Technology organises the Doctoral Students' Forum scientific event every year. Within this framework, the Information Sciences section provides an opportunity for the School's doctoral students to report on their latest achievements, thereby documenting the extent of their scientific and professional progress on a regular basis each year. The presentations given at the section meetings of the Doctoral School of Information Sciences ( )

are also published in a high-quality publication. At the end of each academic year, the Doctoral Council is responsible for requesting a concise written report from the supervisor of each doctoral student enrolled in the Doctoral School in order to monitor the professional progress of the doctoral students. This report evaluates the effectiveness of the work performed by both the supervisor and the doctoral student.

5. Selection of doctoral programme subjects

The subjects of doctoral training are approved by the Doctoral Council of the Faculty. The primary criteria for selecting subjects are the relevance of the subject area, the quality of related research and the quality of the lecturer. The general requirements for lecturers, in accordance with ODT regulations, are: - publication activity, - PhD degree, - senior lecturer. The list of subjects and lecturers is updated every three years. Regularly updated, public information about the Doctoral School's current training plan, subjects and lecturers is available on the School's website.

6. Credit system for doctoral training

It is the ongoing task of the supervisors of the Doctoral School to gradually introduce doctoral students to international academic life by creating and supporting opportunities for them to participate in conferences. We consider it a general principle that supervisors should continuously strive to ensure that the student's high-quality results (partial results) are made known to the international scientific community in the form of publications of the highest possible quality. Organising a joint doctoral forum at least once a year for all current doctoral students of the József Hatvany Doctoral School of Information Sciences. Based on experience to date, this forum has a number of advantages:

• All participants can learn about the scientific topics of their fellow doctoral students in different years within the Doctoral School's training system, as well as the continuous progress of current students in developing their topics, their publication activities and their scientific and professional plans for the future.

• the forum provides an opportunity for doctoral students working in related fields – and, where justified, even in more distant fields – to ask questions about any details that are unclear, insufficiently detailed or possibly contain hidden errors or mistakes in the reports they have heard. This allows the internal event to offer the community of doctoral candidates an opportunity for review without any negative consequences and to gain experience with numerous advantages.

• It is desirable that as many supervisors as possible participate in the combined academic seminar. This offers a further advantage in that supervisors can compare the effectiveness of their work with that of other supervisors, while also expressing their opinions on the spot in the form of comments, evaluations and critical remarks.

• The periodic obligation, which is announced in advance and involves public participation, and which is due at the end of each semester, may encourage the current community of doctoral students to develop healthy professional and scientific competition among themselves. As a result, we expect an improvement in professional and scientific work, a strengthening of research discipline and an increase in the quality of publications;

• Upon request, there is an opportunity to give presentations in English, which promotes the acquisition of English, now considered the universal language of communication in the professional world, both in writing and orally.

• A minimum of 20 credit points must be earned each semester.

7. Requirements for obtaining a PhD degree

The minimum publication requirements for the degree award procedure encourage the production of high-quality publications. Candidates must achieve a reduced journal count of 2.0 from peer-reviewed, foreign-language scientific journal publications containing their own results related to their field of research (based on MTMT). The reduced number is the value of each publication divided by the number of authors without supervisors (1/(N-K), where N is the number of authors and K is the number of supervisors). At least one of the reported publications must be in a journal with a Q3 rating in at least one scientific field, based on the MTMT system's current classification.

8. PhD degree award procedure

The submission of the doctoral thesis must be preceded by a workshop discussion. In the discussion, the thesis is evaluated by an external and an internal opponent, both of whom must hold at least a doctoral degree. The course of the discussion and, in particular, the opinions and findings relating to the modification of the thesis must be recorded in the minutes. The appendices to the minutes shall be the opinions of the opponents and the attendance sheet. In the event of a significant revision of the thesis, the workplace discussion must be repeated. The members of the Examination Committee conducting the public defence shall receive the complete procedural material in both printed and electronic form. The members of the Examination Committee shall receive the opinions of the opponents in electronic form after both reviews have been received, and the candidate's responses to these opinions shall be received in electronic form at least one week before the defence. Upon announcement of the public discussion, the dissertation and the thesis booklet shall be made public on the website of the Doctoral School.

9. Doctoral School website

The Doctoral Council of the Faculty shall ensure the continuous operation of the Doctoral School's website and the updating of its content. Public information related to the programme shall be published on the website, including

- the regulations of the Doctoral School,
- the education and research programme, advertised courses,
- the members of the Doctoral Council,
- advertised research topics,
- materials presenting the scientific results of doctoral students,
- the location and time of scientific workshops,
- the location and time of defences,
- theses in downloadable format,
- announcements of events.