



**JOHN VON NEUMANN UNIVERSITY DOCTORAL SCHOOL OF
MANAGEMENT AND BUSINESS ADMINISTRATION
(JNU-DSMBA)**

OPERATING RULES

The operating rules of the Doctoral School were prepared by Doctoral Regulations of the John von Neumann University, by the decisions of National Doctoral Council and Hungarian Accreditation Committee

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INTERPRETATIVE PROVISIONS

For the purposes of this Operating rules, certain terms have the following meanings:

state doctoral scholarship: a financial support granted to doctoral students of Hungarian nationality participating in organised doctoral studies, or to foreign students who are subject to the same treatment as Hungarian students based on legislation or international agreements.

doctoral student: a student in doctoral studies who has the rights and obligations laid down in the legislation on higher education.

doctoral student's student status: the legal relationship between the doctoral student and the higher education institution, the content of which the rights and obligations of the doctoral student and the institution as defined in the legislation on higher education. The student status is defined by the student card issued by the university. or by validating the student's student card.

doctoral (PhD) dissertation: a piece of writing, work or piece of work produced by a student participating in the degree procedure, with which the doctoral student demonstrates his/her ability to independently solve an academic problem measured against the requirements of the degree; the thesis may be written in Hungarian or English, or in another language justified by the subject of the thesis.

doctoral degree: a degree awarded by the University Doctoral and Habilitation Council, which can be obtained through a doctoral degree procedure based on participation in a university organised course or individual preparation.

doctoral degree procedure: the research and dissertation stage of doctoral training following successful completion of a complex examination. The sequence of actions leading to the award of a doctorate.

doctoral school: an educational organisation, approved by the Senate, which is an interdepartmental body of the University and provides training leading to the award of a doctoral degree. The doctoral school may involve academic and other research groups or research institutes outside the institution.

doctoral schoolteachers: teachers and researchers with academic degrees who, on the recommendation of the Head of the Doctoral School, are considered by the Doctoral School Council to be suitable for teaching in the Doctoral School.

doctoral School Council: a body that meets regularly to assist the Head of the Doctoral School, its members are appointed and dismissed by the University Doctoral and Habilitation Council.

head of the doctoral school: a professor of the John von Neumann University who is responsible for the academic quality and teaching of the school and who is a full member, corresponding member, doctor of the Hungarian Academy of Sciences or Doctor of Science (hereinafter jointly: doctor of the Hungarian Academy of Sciences).

doctoral training: a training, research, and reporting activity, which consists of a training and research phase and a research and dissertation phase, carried out in the context of individual or group preparation adapted to the specificities of the field of science and the needs of the doctoral student. Doctoral studies are open to those who have obtained a master's degree. Doctoral studies require a minimum of 240 credits and last 8 semesters.

doctoral programme: an educational-research organisation within the doctoral school, subject to the conditions laid down in the doctoral regulations and approved by the doctoral council.

doctoral and habilitation council: the body set up to organise doctoral training and award degrees, which has decision-making powers in respect of doctoral training, as regards admission to training, the initiation of the degree-awarding procedure and the awarding of the degree. The University Doctoral and Habilitation Council, elected by the Senate, is responsible for the management of doctoral studies at the University.

doctoral supervisor: a doctoral supervisor is a lecturer or researcher with an academic degree whose proposal has been approved by the doctoral school's council and who, on this basis, responsibly supervises and supports the studies and research work of the doctoral student working on the topic and the preparation of the candidate for the degree.

short summary of doctoral (PhD) dissertation: a summary of the candidate's scientific achievements, based on the doctoral dissertation, which is presented to the scientific community, and which demonstrates that the candidate is prepared for the degree in the course of the degree procedure. The theses shall be written in Hungarian and English (or other languages appropriate to the specific discipline).

complex examination: an examination to be taken at the end of the fourth semester of doctoral studies, at the end of the training and research phase of the doctoral studies, as a prerequisite for the start of the research and dissertation phase, to measure and evaluate the progress made in the studies and research.

part-time study abroad: part of the doctoral training in which the doctoral student may participate based on a work programme related to the doctoral topic, approved by the supervisor, which ensures the validity of the period of study in the doctoral training programme of the university. The Council of the Doctoral School shall decide on the acceptance of the work programme for the part-time studies abroad.

study points (credits): a measure of the work done in doctoral studies for the acquisition of knowledge, the fulfilment of subject requirements, research, and teaching tasks. In general, one credit is earned by completing 30 hours of work.

core member: holder of an academic degree, who is engaged in continuous, high-level academic activity in the discipline or research area of the doctoral school, full-time at John von Neumann University. He/She is full-time employee as lecturer or academic researcher, who has designated the John von Neumann University as the institution responsible for determining the budget support pursuant to Article 26(3) of the NHE. By the approval of the Doctoral Council, a Professor Emeritus of the John von Neumann University - within the meaning of Section 32(1) of the NHE - may also be a regular core member. In addition, a core member may be a scientific advisor or research professor with a scientific degree in the discipline of the doctoral school, who has been continuously engaged in high-level scientific activity in the discipline or research field of the doctoral school, who is employed full-time, in an employment contract or in a civil service position at a research institution, and who holds the title of Doctor of Sciences of the Academy of Sciences, provided that the university has concluded an agreement to this effect with the research institution. The core member must have fulfilled the above conditions for at least 5 years and must also undertake to act as a supervisor in the doctoral school. Core member can be only that person who have led at least one (or two in the case of co-supervising) candidates to a doctoral degree are eligible to become a full member.

Scope of the rules

1.§.

(1) These Regulations are based on the Government Decree No. 387/2012 (XII.19.) on doctoral schools, the order of doctoral procedures and habilitation. It also takes into account the Act CCIV of 2011 on National Higher Education, the Organisational and Operational Regulations of the John von Neumann University (hereinafter referred to as the University or JNU), the Doctoral Regulations of the John von Neumann University, the University's Study and Examination Regulations, and the position of the Hungarian Accreditation Committee (HAC) on the establishment and operation of doctoral schools (Annex 4 to the HAC Regulations).

(2) The name of the Doctoral School, hereinafter referred to as the Doctoral School (DS), shall be the Doctoral School of Management and Business Administration Sciences of the John von Neumann University (JNU-DSMBA).

(3) A priority objective in doctoral training and degree acquisition at the JNU-DSMBA is:

- a) Achieve new research results that attract the attention of the international scientific community and meet societal needs, and publish them in leading journals and scientific fora;
- b) To transfer and develop knowledge of scientific research methodology.
- c) Ensuring the international and national supply of scientific talent in the fields management and business administration sciences.

The establishment of the doctoral school

2.§

The Doctoral School (DS) was established by the Senate of the John von Neumann University by resolution no.. and accredited by the Hungarian Accreditation Committee.

The Doctoral School provides doctoral-level academic training in the research area of management and organisation, building on the JNU master's programmes, but is also open to applicants with Master's degrees from other institutions who wish to pursue doctoral studies in management and organisation.

Organisation of the doctoral school

3.§

The DS operates under the auspices of the University Doctoral and Habilitation Council (hereinafter referred to as UDHC) of the John von Neumann University (JNU), which is responsible for the training and procedures of the Doctoral School of Management and Business Administration at the John von Neumann University supervises. The decision-making body of the DS is the Doctoral School Council (DSC).

(1) The Doctoral School Council (DSC) is the governing, decision-making and proposing body of the doctoral school and of the degree awarding process, which, on the basis of the guidelines of the UDHC, supervises the disciplinary system of doctoral training, degree awarding and habilitation, ensures the quality of the academic degree and the international equivalence of the degrees to be awarded, in accordance with the rules in force.

(2) Data of the Doctoral School:

Name:	John von Neumann University Doctoral School of Management and Business Administration
Short name:	JNU-DSMBA
Discipline	Doctoral Program in Management and Business Administration Sciences
Place of operation:	1117 Budapest, Infopark sétány 1. V. floor
Mailing address	6000 Kecskemét, Izsáki út 10.
Phone:	+36 20 263 5798
e-mail	doktoriiskola@uni-neumann.hu

The Doctoral School builds on the following courses of the John von Neumann University:

- Master of International Economics and Management
- Master of Business Administration (MBA)
- Master of Regional and Environmental Economy

(3) The DS has a doctoral programme in Management and Business Administration.

(4) The Doctoral School operates three sub-programmes within the framework of the Doctoral Programme in Management and Business Administration:

1. sub-programme " Bioeconomy and Sustainability "
2. sub-programme " Business Management and Business Digitalization "
3. sub-programme " Finance and Financial Digitalization "

(5) In the Doctoral School, training is provided on the basis of state scholarships and reimbursement of expenses.

(6) The members of the doctoral school shall be the members of the core members, the supervisors and the lecturers.

(7) A doctoral school shall have at least 7 core members, of whom at least 50%+1 shall be professors.

(8) Regular members of the Doctoral School:

- Prof. Dr. Judit OLÁH, Doctor of HAS, professor
- Prof. Dr. József POPP, Corresponding Member of the Hungarian Academy of Sciences, professor
- Prof. Dr. Bálint Csaba ILLÉS, CSc, professor
- Prof. Dr. Zoltán ZÉMAN, PhD, professor
- Prof. Dr. Róbert MAGDA, PhD, professor
- Törőné Prof. Dr. Anna DUNAY, PhD, professor
- Prof. Dr. Lóránt Dénes DÁVID, PhD, professor
- Dr habil. Judit BÁRCZI, PhD, associate professor
- Dr habil. László Zsolt PATAKI, PhD, associate professor
- Istvánné Vajna Dr. habil. Anita TANGL, PhD, associate professor

(9) A lecturer or researcher may also be a regular member if he or she meets the criteria for regular membership set out in Government Decree 387/2012 (XII.19.) on the order on schools and habilitation.

(10) The DSC shall elect a new core member on the proposal of the Head of the Doctoral School. The Head of the Doctoral School shall inform the President of the UDHC of the new member.

(11) The scope of the core members is confirmed by the accreditation or periodic review of the HAC.

(12) The head of the DS shall be appointed by the Rector from among the members of the DS professoriate, on the recommendation of the majority of the members, for a term of up to five years, in accordance with Article 3(7) of the University Doctoral Regulations. His/her appointment may be renewed several times. The head of the DS shall be a full-time university professor with the title of Doctor of Sciences (Doctor of Science) and full-time employment with the University.

(13) The mandates under § 3 shall cease:

- a) at the expiry of the mandate,
- b) by recall by the same procedure as the mandate, c) by the resignation of the trustee,
- d) the permanent incapacity or death of the trustee.

(14) The use of the funds allocated to the DS is the responsibility of the head of the DS, who may use the funds for the operation of the DS and the promotion of scientific publications and research by DS students, and for the payment of publication fees of lecturers and supervisors.

4.§

(1) In addition to the duties set out in the University Doctoral Regulations, the **duties of the**

Head of the DS shall include:

- a) responsibly direct the work of the Council of the Doctoral School and be responsible for the decisions of the Council for the implementation of,
- b) coordinates and is responsible for the quality of the professional work, manages the quality assurance system,
- c) represents the doctoral school, is personally involved in the national and international promotion of DS training international awareness,
- d) compile the DS accreditation materials and manage the successful accreditation work to carry out,
- (e) manage the ongoing maintenance of the operating rules and procedures, be responsible for ensure that it is fully enforced,
- f) participate in the work of the UDHC,
- g) is responsible for the allocation of the doctoral training grant per school and the the use of other financial resources in accordance with the University's management regulations,
- h) adoption of the minutes/records of the meetings of the Board.

(2) **Responsibilities of the DS sub-programme leaders:**

develop proposals for the DSC:

- a) approving the doctoral research plans of doctoral students, the subjects, and their credits,
- b) the granting of a diploma,
- c) the names of the authors of doctoral theses, the thesis supervisors, and the teaching staff of the doctoral school,
- d) the doctoral candidates' doctoral theses,
- e) the conferring of the title of Professor Emeritus,
- (f) how the use of resources is monitored.

expression of opinion:

- a) on all strategic issues concerning training and degree acquisition,
- (b) the academic structure of training and degree acquisition in the discipline,
- c) the approval and dismissal of the members of the teaching staff of the doctoral school,
- d) the members of the selection board,

- e) the ranking of applicants for admission,
- f) based on the proposal of the doctoral schools the initiation of the degree the members of the review committees,
- g) the award, refusal or withdrawal of a doctoral degree, the award, refusal, or withdrawal of a doctoral degree on the naturalisation of academic degrees.

(3) The DS may appoint **study coordinators to** coordinate the teaching of a discipline programme, who shall work under the authority of the head of the relevant discipline programme.

(4) Duties of the Secretary of the DS:

- a) organising the meetings of the DSC, preparing the material to be presented, organising the Council meetings forwarding its decisions, preparing the minutes/records of the Council meeting,
- b) preparing the admission procedure. Organising the interview, checking the form of the documents submitted, compiling the background documentation, preparing the proposal for the decision,
- c) preparation and organisation of the complex examination,
- d) preparing the habilitation procedure,
- e) liaising and coordinating with the UDHC and the JNU Education and Training Directorate,
- f) maintaining contact with students,
- g) sending information to the DS website and keeping it up to date,
- h) work under the direction of the head of the DS.

(5) Responsibilities of the DS international programme coordinator:

- a) in cooperation with the Head of DS, help to promote DS training internationally,
 - b) management of the study abroad programme,
 - c) preparing the admission procedure: organising the interview, preparing the formal checking of documents, compilation of the documentary background, preparation of the decision proposal,
 - d) For the Stipendium Hungaricum programme, the university liaising with the coordinator of the university, liaising with students, recording, and sending decisions, managing the DreamApply system,
 - e) preparing the necessary reports on students (Tempus, diplomatic missions and consular posts),
 - f) harmonisation of the English-language curriculum with the Hungarian-language curriculum in the DS
- in cooperation with the sub-programme leaders and the head of the DS,
- g) support for the involvement of foreign professors in training, the related organisational coordinating and carrying out tasks,
 - h) preparation and organisation of complex examinations,
 - i) organising annual reports,
 - j) liaising with the supervisors,
 - k) liaison and coordination with the University Doctoral and Postdoctoral Council, JNU Education and Training Directorate
 - l) maintaining contact with students,
 - m) sending information to DS website and keeping it up to date,
 - n) monitoring applications for training abroad, contributing to the preparation of applications in the preparation of.

(6) Responsibilities of the Supervisor:

- a) formulating the research problem, writing the topic.
- b) contribute to the final research plan, which is signed and approved.
- c) communicating the standards and scientific requirements of the DS.
- d) management and continuous monitoring of research work. Unsatisfactory performance you must inform the head of the DS. If the doctoral student is late with his/her duties, continuously fails to fulfil them, or if there are changes in his/her behaviour that jeopardise the continuation of the work, the subject supervisor must inform the DS supervisor in writing without delay, but no later

than three months after the start of the research period. This information shall also be communicated to the students concerned.

- e) reporting at least once a semester, monitoring and verifying the fulfilment of the commitments set out in the research plan.
- f) propose the composition of the jury for the workplace and public debate.
- g) in the preparation of the doctoral dissertation, the formal requirements shall be fully enforcement.
- h) the supervisor shall sign a declaration of recognition of the doctoral student's performance, that the essay meets the content requirements set by the DS.
- i) preparing the student for the workplace and public debate.

(15) Duties of the DS's administrator:

- a) regularly updating the website of the doctoral school.
- b) preparation of the doctoral activities (workplace debates, theses, public debates).

The operation of the doctoral school

5.8

(1) The operation of the doctoral school is managed by the head of the DS. Its main governing body is the **Doctoral School Council (DSC)**.

(2) The voting members of the DSC shall be: the head of the DS, the DS core members and the elected representative of doctoral students.

The Secretary of the DS (if not a full member), the Heads of the Faculty of Economics and Business Administration, the Emeritus Professors are members with consultative rights, at the request of the Head of the DS.

The powers of the Council are subject to the JNU University Doctoral Regulations.

(3) The doctoral school council decides

- a) approving the doctoral research plans of doctoral students, the subjects and their credit values,
- b) the further allocation of public resources (scholarship and grant) to the school and the way in which the use of these resources is monitored,
- c) the names of the authors of doctoral theses, the thesis supervisors and the teaching staff of the doctoral school,
- d) the change of supervisor, the appointment of a co-consultant, and in case of inability to on the termination of the thematic priority,
- e) the doctoral students' doctoral topic,
- f) the conferring of the title of Professor Emeritus,
- g) the sub-programme leaders,
- h) on any matter relating to doctoral studies.

(4) The DSC proposals to the UDHC:

- a) on all strategic issues concerning training and degree acquisition,
- b) the structure of training and degree acquisition in the discipline and discipline-related fields,
- c) the approval and dismissal of the core members of the doctoral school,
- d) the members of the Admission Committee,
- e) the ranking of applicants for admission,
- f) the recruitment of an individual coach,
- g) on the basis of the proposal of the doctoral schools, the initiation of the degree awarding procedure, the members of Review committees,
- h) the award, refusal or withdrawal of a doctoral degree, the award, refusal or withdrawal of a doctoral degree on the naturalisation of academic degrees,
- i) the members of the complex examination committee,
- j) the members of the expert committee on habilitation.

(5) The DSC shall deliver an opinion:

- a) the whole system of doctoral training and degree acquisition at the University,
- b) on all university-wide matters concerning doctoral training and the awarding of degrees,
- c) in all cases where the Rector of the University or its Senate so requests.

6.§

(1) The DSC will evaluate all the **topics** submitted to it and will only agree to the **publication of topics for** which the following conditions are simultaneously met:

- a) new research on the topic, preferably of interest to the international scientific community significant research results can be achieved in four years,
- b) the achievement and/or disclosure of this result does not conflict with ethical, legal or regulatory requirements or intellectual property rights,
- c) the JNU or the research centre where the thesis is being written has the the intellectual and infrastructural background on which the work can be based. Co-direction and research at an external research center is possible in institutions with a cooperation agreement with the doctoral school, where the necessary conditions for the achievement of the doctoral student's research objectives are available and the research center undertakes to provide them.

(2) Each academic year, the DS invites proposals (by 28 February) and announces PhD topics. The announcer is expected to meet the requirements. The DSC decides on the acceptance of the topics and on the topic leaders. The announcement of the topics is made on the Hungarian Doctoral Council (HDC) website by 15 April each year.

(3) The topic leaders present a short and detailed topic description. A short topic description should be summarised in a maximum of 500 characters, including the title, the area of study and the problem. A detailed topic description should be written in up to 2 000 characters and should include:

- a) the title of the topic,
- b) a definition of the problem under consideration,
- c) the expected method of the research.

The topic can be written in Hungarian and/or English. The topic must be written in English and Hungarian at the same time only if the topic leader expects applicants to write both in Hungarian and in a foreign language.

(4) The topic leader must have a doctoral degree and active research activity in the research topic he/she is leading, as well as a proven track record of publications and, in the case of a foreign language supervisor, oral and written communication skills in the relevant discipline in a foreign language, which may be verified by the DS in a professional conversation with the supervisor in a foreign language.

The DS decides on a topic leader, for whose announced topic a student is admitted and enrolls in the doctoral school. A topic leader may have up to six doctoral students on public scholarships. In approving the appointment of a topic leader, the DSC will take into account the performance of the previous topic leader activity.

(5) Responsibilities of the supervisor:

- a) formulating the research problem, writing the topic,
- b) contributing to the final research plan, the signature of which implies its approval,
- c) communicating the standards and scientific requirements of the DS,
- d) managing and monitoring the research work. In case of unsatisfactory performance he/she must inform the head of the DS,
- e) the semesterly reporting of the doctoral student, the research plan monitoring of the fulfilment of the commitments (the signature of the "Research work" is conditional on the fulfilment of the indicators and targets),

- f) propose the members of the Review Committee for the workplace and public debate,
- g) in the preparation of the doctoral dissertation, the formal requirements are fully enforcement,
- h) the supervisor of the topic confirms the doctoral student's performance by signing a declaration of recognition, that the essay meets the content requirements set by the DS,
- i) preparing the doctoral student for the workplace and public debate.

(6) A doctoral student may have up to two supervisors at the same time. One of the supervisors shall be appointed **as the responsible supervisor in** order to ensure accountability. A responsible supervisor may only be a person who was employed full-time by the JNU at the beginning of the candidate's student status or, in the case of a change of supervisor, a full-time employee of the JNU. The DS will cancel the doctoral student from the system if he or she does not obtain absolutionary within 7 years of starting his or her doctoral studies.

(7) Each doctoral student's work shall be supervised and supported by a supervisor, who shall be fully responsible for the studies and research work of the student working on the subject, and for the preparation of the doctoral candidates for the award of a degree. The supervisor shall be a full-time staff member of the John von Neumann University with teaching or research status, or be a staff member of an institution with a cooperation agreement with the JNU for doctoral training, either as a lecturer or as a researcher. In addition to an external supervisor, the DSC will also appoint an internal supervisor, who will assist the external supervisor on behalf of the JNU and monitor the student's professional progress.

(8) The doctoral student and his/her responsible supervisor (even if he/she is employed by another institution) are registered at the DS and the doctoral degree is awarded by the parent institution. The co-supervisor may be any person with an academic degree whom the DSC considers suitable. The two supervisors may be in the same DS or in two DIs of two institutions, the latter including not only the Hungarian higher education institution. The co-supervisor is approved by the DSC (*Annex 1*).

(9) The studies and research work of the doctoral student shall be supervised by the supervisor. The doctoral student may - with due cause - request a new supervisor (*Annex 2*) once during the entire period of training, from the head of the doctoral school (if the head of the doctoral school is the supervisor, then from the President of the UDHC). **Supervisor** may be **changed** (or terminated) for various objective (leave of absence, death, etc.) and subjective (e.g. communication difficulties, loss of confidence) reasons at the initiative of both the supervisor and the doctoral student. It is the right and responsibility of the DSC to deal with these problems. The Head of the Doctoral School, after consulting the Doctoral School Council, will decide on a proposal for a new supervisor, if the reasons are considerable.

(10) **Uncompleted** supervise activity may be recognised. The *combined* prerequisite for successful, i.e., also quantifiable, subject supervision is *at least one full year of* subject supervision activity *on the part of the subject supervisor*, documented in advance and continuously by the institution, and an assessable performance (thesis, communication, presentation, poster, etc.) *on the part of the doctoral student* with the assistance of the subject supervisor(s).

(General teaching activities in the framework of the DS are not part of the supervising. This is a teaching task, not a subject management task.) *A maximum of two (or, in exceptional cases, three) supervisors can be recognised for a degree awarded on the basis of such "sequential" (i.e. not just parallel) activities.* In addition to continuous institutional documentation, recognition is conditional on their name being included as a supervisor in the candidate's PhD dissertation (title page). This is evidence of the candidate's recognition of the substantive role of the supervisor(s) listed. The same recognition applies if the doctoral candidate obtains his/her degree from another university, e.g. abroad, on the basis of the previous meritorious (as certified by the DS) and documented contribution of a national supervisor. Accreditation credit for *unfinished* supervisor activity is possible if the supervisor can demonstrate at least *one year of* substantial, documented activity, preferably supported by co-authored publications, recorded at the beginning of the activity and

documented throughout. In the case of a double supervisor, this should be at least two years per supervisor.

(11) The DSC decides on the acceptance of subjects for training and on the renewal of them. The DSC shall review the training programmes at least every three years. Before the beginning of each academic year, the DSC shall adopt a list of proposed subjects and their instructors for doctoral training. The approved subjects are announced in the NEPTUN system and published on the DS website.

(12) The DIs may be academics and researchers with a doctorate in education who are deemed suitable by the DSC. In addition an internationally recognised representative in the field of management and business administration who has an outstanding academic and research record in education. Based on his/her experience in research and research organisation, he/she is qualified to supervise the academic and scientific work of students, doctoral students and teaching assistants, to publish in foreign languages, to give seminars and lectures.

The DS may also be a full-time employee of a national or foreign research institution, university, company, or other institution (external lecturer) that has signed a written cooperation agreement with the DS to implement the objectives of the doctoral programme. The lecturers of the doctoral school are listed in the Hungarian Doctoral Council (HDC) database of the school and, if they teach in more than one doctoral school, they declare on the HDC form the percentage of their membership in each school.

(13) The DS shall define the expectations for the research work carried out during the doctoral studies. The doctoral candidate shall give at least one professional presentation of his/her research results per year in a Hungarian and/or foreign language forum (PhD conference).

(14) The DSC may change the doctoral research topic or the supervisor at the request of the student concerned.

Admission procedure

7.§

(1) The doctoral school shall also publish the admission opportunities and conditions of admission on its website. The announcement contains:

- a) the number of the students to be recruited,
- b) information on reimbursement of expenses and allowances,
- c) the requirements for admission, in particular with regard to the assessment of the entrance examination and the ranking principles used,
- d) the amount of the admission fee and information on how to pay it,
- e) other information specified in the Regulation or required for applicants.

(2) The application form for admission (*Annex 2 of the JNU Doctoral Regulations*) is available in electronic form on the university's website. The application deadline is 31 May for fall semester courses and 15 December for cross-semester courses. The application deadline may be adapted to the call for applications, in which case the application deadline will be published on the DS website at the DSC's decision.

(3) Admission to doctoral studies is only possible by applying for a nationally announced topic on www.doktori.hu, after a successful interview with the admission committee. To be admitted to the admission examination, the candidate must provide written confirmation of his/her proposed supervisor and the host unit (institute/department or external institution). The professional habitus points awarded in the admission test are partly based on the knowledge of the chosen subject, including publication activity. Formal admission requirements (for candidates applying within five

years of graduation) are an MA/MSc degree with at least a good grade and at least one state-recognised intermediate level komplex (B2 level) language exam - or equivalent. It must be certified in accordance with the University Doctoral Regulations.

(4) General requirements concerning the content and format of applications **for admission to the admission procedure.**

I. General requirements:

- a) The preparation of a proposal, drawn up according to pre-defined criteria, is a prerequisite for the oral interview. The application can be submitted in Hungarian or English. The aim of the proposal is to demonstrate the candidate's aptitude, knowledge of the chosen topic and commitment to the development of the topic and to the fulfilment of the doctoral requirements.
- b) Once the research topic has been selected, the applicant will prepare a preliminary draft topic plan in collaboration with the prospective supervisor. The proposal should describe the aim and background of the research, the problem to be studied, the research methods to be used and the expected results.
- c) The application must be submitted to the DS Secretary in the form, content and by the deadline specified in the call for applications. Failure to meet the deadline will result in exclusion from the admission procedure. Applications may be submitted in full up to the date of the admission exam.
- d) The application will be judged by the Admissions Committee approved by the DSC and UDHC on the basis of the criteria specified. During the admission exam, the doctoral candidate shall present the problem to be studied, his/her preliminary thesis plan, and demonstrate his/her knowledge of the literature.

II. Formal requirements:

- a) The application material must bind.
- b) Outer cover: white hardback cardboard; size: A4; lettering (black John von Neumann University / Doctoral School of Management and Business Administration / APPLICATION / Name of the doctoral candidate / Place and year of submission of the application.
- c) Internal title page includes doctoral school / name of the head of the DS / title of the chosen topic (maximum 100 characters) / name of the doctoral candidate / name and position of the supervisor(s) / place and year of submission of the application.
- d) The application must be submitted on A/4 white paper, 1.5 lines apart, with a margin of 3 cm on the left side, 2.5 cm on the right side and 2.5 cm on the top and bottom. Font: Times New Roman, font size: 12 pt.

III. Content requirements:

The order and sequence in which applications are to be drawn up:

- Table of contents (The table of contents should be in decimal numbering on the page after the inside cover page).
- Completed application form.
- Proof of payment of the admission fee.
- Research topic plan (Brief description of the planned research topic max. 10 pages including: problem statement, research background, objectives, research concept and methodology, expected results). The research agenda must be signed by the supervisor to be appointed.
- Professional CV (with photo).
- Cover letter (including personal reasons for choosing the topic).
- List of publications (including ITDK/OTDK diplomas, etc.).
- A professional recommendation from the intended topic leader.
- A notarised copy of your university degree or the original degree presentation (certification is not required if the diploma is issued by the JNU or issued by its predecessor institution). In the case of final year students, a copy of the transcript of records.
- Notarised copies of documents proving your knowledge of foreign languages.
- Employer's consent form (for reimbursed or individual coaches needed. It includes consent to continue the studies; a declaration that the conditions of the research are met, payment of the fee).

(5) The foreign language required by law for the study of the discipline. In the field of management and organisation, a sufficient level of English is required, which is assessed by the admission committee.

- in all cases, a B2 intermediate level in a foreign language is acceptable, but language tests in languages not used in economics and law (e.g. Esperanto and Lusophone) are not acceptable.
- for Hungarian doctoral candidates from abroad, the language of the country of origin is acceptable.
- if the candidate's mother tongue is not Hungarian, it must be specified in the requirements for that language. be accepted as meeting the level of

(6) The procedure and assessment of the entrance examination shall be as set out in the JNU Doctoral Regulations. The members of the admission committee(s) shall be proposed by the DS Council to the UDHC. The evaluation criteria and the scoring system for the admission shall be established in accordance with the JNU Doctoral Regulations (*Annex 3* of the JNU Doctoral Regulations). At the admission interview, the candidate shall present the research problem, his/her research ideas in accordance with the submitted topic plan and shall also demonstrate his/her knowledge of the literature in the field.

Students applying for a Stipendium Hungaricum must upload the documents required by Tempus to DreamApply. The applicant must have a prior (conditional) acceptance letter signed by the Head of the School of the Doctoral School. The admission interview is identical in content to the one for Hungarian students, with the addition of a language proficiency assessment. The interview will be organised online, with an interview taking place only if the applicant is nominated by the sending country.

In the case of a foreign student who pays the fees, the procedure is the same as for Hungarian students, the admission interview is organised online.

The amount of the allowance is decided by the DSC on a proposal by the head of the DS.

(7) The DS shall notify the applicants of the decision in writing within 8 days and shall state the reasons for rejection. In the case of admission, the notification shall state the date of enrolment, the documents required for enrolment and the start of the academic year.

(8) At the time of enrolment, the admitted student must sign a declaration that he/she has read the DS regulations and the DS requirements, that he/she is aware of his/her rights and obligations and that he/she agrees to the processing of his/her personal data.

(9) In all cases where the costs of training or research are reimbursed by the doctoral student, his/her employer or other committed party, the detailed conditions shall be laid down in a separate contract.

Individual preparation

8.§

(1) According to the Doctoral Regulations of the John von Neumann University, it is also possible to obtain a doctoral degree on the basis of **individual preparation**. The input publication requirement for individual preparation is the same as the minimum publication requirement for the submission of a doctoral thesis. A further requirement is that the submitted draft thesis must be at least 80% complete. As an exceptional procedure, the award of a degree on the basis of individual preparation may be used only in particularly justified cases. These reasons must be recorded in writing by the DSC during the admission procedure.

(2) Upon acceptance of the application, the DSC will appoint the committee and the subjects for the complex examination, and the individual preparer will be required to take the complex examination at the end of the semester in which his/her application is accepted. Upon successful completion of the complex examination, the DSC will recognise the minimum credits set as a condition for passing the complex examination. Upon request, DSC may award additional credits based on the knowledge and competences acquired in the previous examination.

(3) In addition to the individual preparer, the DSC will appoint a supervisor to monitor and assist the candidate's preparation.

(4) Individual candidates fulfil their study obligations by passing the complex examination.

(5) The status of an individual preparatory student shall be established by enrolment in the semester following the semester in which the complex examination is passed.

(6) The maximum of 4 semesters of the research and dissertation writing phase may be shortened in justified cases (e.g. successful completion of a workplace debate).

Order of doctoral training

9.§

(1) [HNE 53§ (1)]. Doctoral training is a training, research and reporting activity in the context of individual or group preparation adapted to the specificities of the discipline and the needs of the doctoral candidate and consisting of a training and research phase and a research and dissertation phase.

(2) The training is provided on the basis of full-time training or individual preparation.

(3) The full-time period of training is 8 semesters.

(4) Full-time training has two stages. The first is the training and research phase, which is 4 semesters, and the second is the research and dissertation phase, which is also 4 semesters.

(5) A minimum of 240 credits must be acquired in the full-time course. To obtain the credits, the student must undertake study, research and possibly optionally teach in a BSc/BA programme on a guided basis.

(6) A doctoral student may receive a maximum of 24 credits for his/her participation in a BSc/BA course, but

a) a doctoral student cannot be obliged to study - thus the lack of credits to be earned with publication credits,

b) directed teaching credits can only be obtained in the training and research phase,

c) 2 credits can be awarded for 1 hour of teaching per week,

d) the number of hours of supervised teaching activity in a semester shall not exceed 4 hours per week (8 credits).

(7) The training and research phase is completed by a complex examination.

(8) Within three academic years following the complex examination, the doctoral candidate shall submit a doctoral thesis as specified in the doctoral regulations. This deadline may be extended by up to one academic year in cases of special merit.

(9) Upon request, the DS shall issue a final certificate (diploma) to doctoral students who have acquired the required credits in the doctoral programme.

(10) Regularly updated public information on the current curriculum of the Doctoral School, its subjects and its lecturers is available on the website of the Doctoral School. The DS's registration system, its administration, and its duty to provide information are the responsibility of the DS.

Study requirements

10.§

(1) In order to obtain a doctoral degree, the doctoral student shall complete a minimum of 30 credits in semesters 1-8, and a minimum of 240 credits during the entire training. If the doctoral student, through no fault of his/her own, fails to complete the required number of credits in a given semester, the DSC shall decide to suspend the payment of the doctoral fellowship. If the doctoral student fails to make up the deficits within one year, the DSC Council shall decide to terminate the student's status. If the doctoral student has fully met all his/her study obligations and has acquired at least 240 credits, he/she may be awarded a diploma on the basis of his/her application before the end of the 8th semester.

(2) Study (**training**) **credits** may be obtained by the doctoral student by studying and passing an examination. During the first four semesters of doctoral studies, the number of **compulsory** study (training) credits is 24. Completion of the credits is certified by the lecturer in the Neptun system on the basis of the examination, essay, report, etc. required for the subject taken. Credit can only be awarded for a subject which is graded on a five-point scale.

Compulsory elective credits: in order to enable doctoral students to receive training in their chosen research area beyond the level of their master's degree, the Doctoral School offers compulsory elective study credits. Doctoral students are required to complete at least two compulsory electives (a total of 6 credits), the successful completion of which is a prerequisite for passing the complex examination. The number of compulsory electives may be further extended by the inclusion of subjects from other doctoral schools in accordance with the doctoral student's individual research topic. A student may also choose their compulsory subject from the compulsory subjects prescribed for other sub-programmes.

The completion of credits is certified by the lecturer in the electronic study system on the basis of the examination, essay, report, etc. required for the course taken. Credit can only be assigned to a subject which is graded on a five-point scale with a merit mark.

(3) Upon successful completion of the complex examination, the doctoral candidate shall obtain 15 credits.

(4) The majority of the 240 credits (max. 195 credits) required during the course of the doctoral programme shall be **research credits**. For the first four semesters, the completion of the credits shall be certified by the supervisor on the basis of a written report submitted by the doctoral student every semester. After the end of each semester, the supervisor forwards the doctoral student's semester reports to the head of the DS. After the complex examination, the research credits are certified on the basis of the academic publication record and the degree of completion of the doctoral thesis, which is approved by the head of the doctoral school.

Title	Credits
<i>General compulsory courses (4 * 5 credits)</i>	20
<i>Sub-programme compulsory course (1 * 4 credits)</i>	4
<i>Compulsory elective courses (2 *3 credits)</i>	6
Total credits	30
Research and publication	min. 171, max. 195
Supervised teaching activity (optional)	
<i>Complex exam</i>	15
Total:	min. 240

Examination subjects to be passed during the training:

I. Compulsory courses	Semester	Credit	Total classes	Total credits
Economics (Prof. Dr. Róbert Magda)	1.	5	30	20
Research methodology (Prof. Dr. Csaba Fábán)	1.	5	30	
Managerial Economics (Prof. Dr. Csaba Bálint Illés)	2.	5	30	
Scientometrics (Prof. Dr. József Popp és Prof. Dr. Judit Oláh)	2.	5	30	
<i>Bioeconomy and Sustainability sub-programme:</i> Bioeconomy (Prof. Dr. József Popp)	3.	4	28	4
<i>Business Management and Business Digitalisation sub-programme:</i> Entrepreneurship and Green Business Models (Prof. Dr. Anna Dunay)	3.	4	28	
<i>Finance and Financial Digitalisation sub-programme:</i> Financial Management and Digitalization Methods (Prof. Dr. Zoltán Zéman)	3.	4	28	

II. Compulsorily elective courses (2nd and 3rd semesters)	Semester	Credits	Total classes
Corporate Lifecycle Models (Prof. Dr. Anna Dunay)	2.	3	14
Strategic Financial Controlling and Business Evaluation Methods (Prof. Dr. Zoltán Zéman és Dr. habil. Judit Bárczi)	2.	3	14
Economic Analysis Methods and Models (Prof. Dr. Csaba Fábrián)	2.	3	14
Innovative methods in banking risk management (Dr. habil. László Zsolt Pataki)	2.	3	14
Advanced and Sustainable Finance (Dr. habil. Judit Bárczi és Dr. habil. László Zsolt Pataki)	3.	3	14
Management of Value Creating Processes (Prof. Dr. Judit Oláh)	3.	3	14
Accounting Reports and Managerial Accounting (Dr. habil. Anita Tangl Vajna Istvánné)	3.	3	14
Sustainable Tourism and Rural Development (Prof. Dr. Lóránt Dénes Dávid)	3.	3	14
Urban Marketing (Prof. Dr. István Tózsza)	3.	3	14

(5) PhD students may take additional courses up to 10% (3 credits) of the total number of credits, but for more than 10% of the total number of credits a fee of HUF 5000 per credit is charged. In the case of course(s) intercepted and completed abroad, the decision on acceptance is taken by the Council of the Doctoral School on the basis of a statement by the course supervisor in the curriculum of the Doctoral School.

(6) Each year, the doctoral student is required to participate in at least one workplace debate (preferably related to his/her sub-programme) and one public doctoral thesis defense (attendance is certified by the DS secretary on the basis of the attendance record of the debates).

(7) Attendance and participation in the timetabled lessons of the subjects is compulsory, with a maximum of 20% of the lessons being excused. In the event of the teacher's absence, the idea of substitution or replacement must be discussed with the head of the DS. For each subject, students must be informed of the subject matter and the requirements, including the required and recommended reading and course material.

(8) For each subject, a compulsory subject theme and a set of requirements shall be drawn up, which shall be subject to a prior opinion of the DS Board and its adoption shall be decided on the basis of the opinions. For each non-methodological subject, in addition to the theoretical aspects, the specialties of the relevant primary and secondary research within the discipline shall be discussed. The formal and content requirements for the subject matter will be published on the DS website.

(9) Starting from the third semester of the training, the doctoral student may obtain 8 credits per semester from the credit value of the research work by participating in national or international scientific conferences or in professional or scientific programmes organised by the Doctoral School (in particular national or international guest lecturer courses, workshops, doctoral conferences, alumni conferences, etc.) (2 credits/event), which the head of the Doctoral School is entitled to certify upon submission of supporting documents.

(10) The doctoral student may obtain the following credit values for the research activities carried out during the training period and their results (the credit value is divided by the number of authors):

a publication published or accepted in an international impact factor journal	35 credits
publication in an international, peer-reviewed journal or book	25 credits
a national, refereed journal or book, or an accepted publication	15 credits
publication published or accepted in an international journal, other journal or book	15 credits
publication published or accepted in national or other journals or books	10 credits
international conference publication, paper based presentation	10 credits
a presentation based on a paper published in Hungarian language	5 credits
conference presentation at an international conference	5 credits
presentation at a conference in Hungarian language	3 credits
Contractual participation in an international research programme (in a team)	10 credits
Contractual participation in a national research programme (in a team)	5 credits

In the case of journal articles, a maximum of 5 authored publications may be counted for credit, which

- for 2 authors, 80% of the credit value can be credited (for each author),
- for 3 authors, 60% of the credit value can be credited (for each author),
- for 4 authors, 40% of the credit value can be credited (for each author),
- for 5 authors 30% of the credit value can be credited (for each author),
- if there are more than 5 authors, the credit value is determined by the number of authors, i.e. 100% of the credit value is given to each author (i.e. 100% of the credit value is given to each author). divided by the number of authors (for each author),
- at least one of the journal articles must be a joint publication with the topic leader,
- all journal articles may be multiple authored.

A textbook is a work published as a book if it has one or more editors, has been proofread, has the appropriate bibliographic attributes (ISBN number, publisher, year and place of publication) and is clearly distinguished, with the author clearly identified and labelled.

A book is considered to be scientific if it contains new scientific results, synthesizes new findings or summarises a subject in a new way. Acceptance of a textbook (or part of a textbook) as a scientific output is decided by the DS Board. Prerequisite: the book must have been peer-reviewed and be officially distributed. The book must have all the bibliographical references: ISBN number, name of publisher, place of publication, year of publication. Non-academic books belong to the category of other achievements.

(11) Continuous student status is conditional on:

- 30 credits per semester,
- in the first two active semesters: at least 60 credits,
- in the first four active semesters: obtaining at least 120 credits by passing the complex examination together with the fulfilment of.

(12) The assignment taken up and completed by the student shall be graded at the end of the semester, except for directed teaching and research activities:

- subject with an examination mark (grading 1-5),
- research work (signature).

The end of semester grade is determined and signed in the electronic learning system:

- a) for a subject, the subject leader,
 - b) the supervisor for research work and the supervisor for teaching work
- and/or on the basis of a certificate from the relevant institute director, by the supervisor.

(13) The teaching and research phase is concluded at the end of the 4th semester with a complex examination. Successful completion of the complex examination is a prerequisite for progression to the research and dissertation phase.

(14) The doctoral student shall be awarded a diploma upon successful completion of eight semesters and a minimum of 240 credits. The diploma is a document that the doctoral candidate has fulfilled the study and research obligations of the doctoral programme. On the basis of the completion of the study and research obligations (*subject supervisor's declaration* required), the DS issues the diploma to the doctoral candidate on the basis of his/her application. The detailed procedure for issuing the diploma is laid down by the DHT. No diploma will be issued to an individual preparation student.

(15) The interruption of the period of study may be authorised by the UDHC on the proposal of the head of the DS for a maximum of 3 times for a total of 3 semesters, on the basis of appropriate reasons. The first time the request is accepted. A student may only be interrupted for a full semester. The duration of a continuous suspension may not exceed two semesters. No state scholarship may be paid during the suspension. *The suspension and termination of doctoral student status shall be governed by the University Doctoral Regulations.*

(16) The UDHC may, at the request of the student, authorise the suspension of the student's status for a continuous period longer than the period specified in paragraph (15), provided that the student is unable to fulfil the obligations arising from the student's status for reasons arising from a personal life situation or other unforeseen reasons beyond his/her control. A student may only be suspended for a full semester. No state scholarship may be paid during the period of suspension.

(17) Student status terminates

- a) at the end of the fourth semester of doctoral studies, if the doctoral student has not passed the complex examination fulfils,
- b) by obtaining an absolute diploma,
- c) on self-declaration,
- d) at the end of the eighth semester of the doctoral programme for which the student is registered.

(18) Doctoral students may participate in part-time studies abroad. The doctoral student may participate in the part-time study on the basis of a work programme approved by the subject supervisor, which ensures the validity of the period of study in the doctoral training programme of the university. The duration of the part-time study abroad is included in the duration of the doctoral studies, the student's status is not interrupted and the state scholarship is paid.

The responsibilities of the doctoral school in relation to the research activities of doctoral students

11. §

(1) First-year doctoral students shall prepare a "**Research Plan**" by 15 November of the year in question (*Annex 4 of the JNU Doctoral Regulations*). The research plan submitted by the doctoral students shall be submitted for review by an expert committee established by the DS Council. The Research Plan is then finalised by 31 March in collaboration with their supervisor. The DS Council, taking into account the written comments, adopts the proposal and decides on any necessary amendments, and notifies the students and their supervisors in April.

(2) Doctoral students shall present their results in their field of research at the annual Scientific Forum organised by the DS before a committee appointed by the DS Council.

(3) At the end of each semester, the supervisor shall issue a written statement on the doctoral student's semester performance and research progress, on the basis of which they shall receive study credits for their research work.

(4) At the end of the fourth year, by 31 August, doctoral students shall prepare a **Final Report** in accordance with *Annex 3*.

The complex exam

12.§

(1) The prerequisite for the complex examination is that the doctoral student must have acquired at least 120 credits (including the 30 credits in the subjects required by the doctoral school's curriculum) during the first four semesters of his/her doctoral studies (training and research phase) and must have fulfilled at least 50% of the minimum publication requirements. Application for the complex examination is required (*Annex 5 of the JNU Doctoral Regulations*).

(2) The deadline for the complex examination is 20 May or 10 December each year. The complex examination takes place in June or August, or in January in the case of a cross-semester.

(3) The DSC shall propose the composition of the complex examination committee and the UDHC shall adopt it.

(4) In the composition of the Complex Examination Committee, the DSC shall take into account the conflict-of-interest provisions of the DS Code. The complex examination is open to the public and must be taken before a board. The complex examination committee shall be composed of at least three members, at least one third of whom shall not be employed by John von Neumann University.

(5) The chairperson of the committee may be a university professor, habilitated associate professor, habilitated college professor, Professor Emeritus or researcher with the title of Doctor of 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 examination board.

(6) A prerequisite for the complex examination is that the doctoral student's supervisor evaluates the performance of the doctoral student in writing and recommends the commencement of the degree-granting procedure.

(7) The complex examination consists of two main parts: the first part assesses the candidate's theoretical knowledge ("theoretical part"), the second part is a report on the candidate's academic progress ("dissertation part").

(8) In the *theoretical part* of the complex examination, the candidate will be tested on the following two topics:

- Research Methodology. The examination will include a written part on
- sub-programme-specific topics, such as,
- bioeconomy and sustainability,
- corporate management,
- financial management.

The student will take the second theoretical part of the previous three specific subjects from the corresponding sub-programme.

a) *For the theoretical examination of the research methodology topic*, the doctoral student shall compile.

a research and analysis methodology paper of 6-8 pages in which the student describes the primary and secondary data collection plans to be applied in relation to his/her research, highlighting the statistical and further analysis methods to be used for their processing, justifying their application, and pointing out the possible limitations of the methods to be used. The deadline for the written part of the research methodology is 31 May and 20 December for the cross semester.

(9) For the *dissertation part* of the complex examination, the student must submit in advance a paper of approximately 15-25 pages in which he/she presents an evaluative literature review of his/her research topic, including the position of the doctoral student, the research theories used, the models and research methods employed in the research, and a comparison of the different approaches. The dissertation section should also include the objectives of the doctoral student's research, proposed hypotheses and a list of the literature reviewed. A documented list of the student's publications should be included as an appendix to the dissertation and the student's MTMT contact details. The deadline for submission of the research summary is 31 May, and 20 December for the cross-semester.

(10) The complex examination board will mark the two parts of the complex examination separately, according to a two-stage (pass or fail) marking scheme. A report of the complex examination, including a written evaluation (*Annex 6 of the JNU Doctoral Regulations*), is drawn up. The complex examination is successful if both parts are passed by a majority of the members of the complex examination committee. The result of the complex examination shall be announced at the latest on the day of the last part of the examination. The student may repeat the failed part(s) of the complex examination once before the start of the next semester.

(11) In the case of a doctoral student transferring from a doctoral school in the field of economics, the doctoral school will accept the results of the successful complex examination of the doctoral student's previous doctoral school. In other cases, the transfer student must pass the complex examination set by the doctoral school.

(12) The DS shall make available to the candidate and the examination board the subjects of the complex examination and the bibliographic requirements of the syllabus. The subject matter and bibliography for the complex examination shall be made available to the student at least one month before the complex examination. The PhD student will be notified of the date of the complex examination and a record of the complex examination will be kept. To improve the quality of the complex examination, the DSC will review the syllabus of the complex examination at least every three years.

(13) The doctoral student enters the research and dissertation phase of the doctoral programme (5th semester) only after passing a complex examination.

Publication requirements of the doctoral school

13. §

(1) The DSC is responsible for the preparation of high-quality theses in all disciplines accredited by the higher education institution. The DS publication requirements are also published on www.doktori.hu.

(2) The output requirement of the doctoral student's research activity: at least 4 scientific articles (min. 2 in English). The scientific publications to be considered shall be determined by the list of journals of the relevant academic department of the discipline chosen by the applicant (Hungarian Academy of Sciences- (HAS) IX Section Doctoral Committee in Economics (GMB) or HAS IV Section Agricultural Economics Scientific Committee (AKTB)). The student must be first, last or corresponding author of at least 2 published scientific articles. An additional output requirement is

participation in two scientific conferences with publication in a conference publication (not an abstract volume). Q₁, Q₂, Q₃ article, the DSC decides how many accepted Hungarian Science Bibliography (MTMT) articles will be triggered. A maximum of 1 book chapter published in a textbook with ISBN number can trigger Hungarian Science Bibliography (MTMT) article - the book chapter is equivalent to the article.

(3) In the case of multiple-authored journal articles, the number of publications per doctoral candidate is determined according to § 10 (10).

(4) The formal and substantive fulfilment of the publication requirements is subject to the full uploading of the publication list to the Hungarian Science Bibliography database and its acceptance as a scientific communication. Verification by means of the MTMT scientific metrics table.

(5) The appointment of the jury is subject to the formal and substantive fulfilment of the publication requirements.

Graduation procedure

14.§

(1) The procedure for the award of a doctoral degree shall be the second, research and dissertation phase.

(2) The doctoral candidate shall apply for the degree procedure at the same time as he/she applies for the complex examination. The doctoral degree-awarding procedure shall begin with registration for the semester following the semester in which the complex examination is passed.

(3) The maximum period of interruption of the student status in the degree procedure shall not exceed two semesters.

(4) The doctoral candidate shall submit the final version (after preliminary discussion) of the doctoral thesis within three years after the complex examination. This deadline may be extended by up to one year, upon request, by decision of the UDHC, provided that the student is unable to fulfil his/her obligation through no fault of his/her own due to childbirth, accident, illness, or other unforeseen circumstances.

(5) Requirements for the award of a doctoral degree:

- a) documented independent scientific work,
- b) proof that the language requirements have been met,
- c) presenting and defending the thesis in public debate.

(6) The submission of the doctoral thesis shall be subject to the obtaining of the degree of Doctor of Philosophy.

(7) When submitting the doctoral thesis, the candidate shall declare in writing (*Annex 7 of the JNU Doctoral Regulations*) that

- a) does not have a doctoral degree in the same discipline,
- b) you have not previously submitted your thesis at another institution, and it has not been rejected,
- c) have not had an unsuccessful doctoral defense within two years,
- d) is not in the process of having his or her doctorate withdrawn, or within 5 years has not his/her previously awarded doctorate was revoked,
- e) the thesis is an independent work; the references are clear and complete.

(8) The doctoral thesis shall be defended in public debate before a committee of examiners.

(9) In the composition of the evaluation committee, particular attention shall be paid to avoiding conflicts of interest. No one who is a close relative of the doctoral candidate or who cannot be expected to give an objective assessment of the case for any other reason shall be allowed to participate in the doctoral procedure.

(10) If there are reasonable grounds for suspecting plagiarism, deliberate manipulation of data, deliberate misrepresentation, or fraud of any kind in connection with a candidate's scientific publication or thesis, the chairperson of the Doctoral Council for the discipline shall initiate an ethics investigation against the candidate. During the ethics investigation, the degree-awarding procedure shall be suspended. In the light of the outcome of the ethics investigation, the Doctoral Council shall decide on any sanctions.

(11) Language requirement for the award of the degree: the doctoral candidate must have two state-recognised or equivalent complex language examinations of at least level B2, the possession of which must be attested by the relevant documents. One of the foreign languages must be English. The second language examination shall be accepted based on an individual assessment in the case of a nationally recognised basic level complex or equivalent nationalized language examination.

15.§

(1) The defence of the doctoral thesis in a public debate shall be preceded by a **workplace debate**, the aim of which is to support the doctoral candidate and to enhance the quality of the doctoral thesis before its finalisation.

(2) It is the responsibility of the topic leader and the candidate to organise and announce the workplace debate. The date of the workplace debate shall be announced on the website of the doctoral school at least two weeks in advance and the members of the Doctoral School Council shall be invited to the debate in electronic form. The supervisor must ensure that a copy of the thesis and the theses is available for consultation at least seven working days before the workplace debate.

(3) The jury of the workplace dispute shall consist of the chairperson, 2 reviewers (one external) and the clerk. One of the referees is not employed by John von Neumann University. A person who is a close relative of the person concerned or who cannot be expected to give an objective assessment of the case shall not participate in the adjudication panel as an adjudicator or panel member.

(4) The opponents of the workplace debate, the chairperson and the notary shall be proposed by the PhD student's supervisor to the head of the DS at least 6 weeks before the scheduled date of the workplace debate. If the supervisor and the DS Head do not reach a consensus on the persons to be invited, the DSC will decide on the persons to be invited.

(5) 3 theses and 3 thesis booklets must be submitted to the DS in printed or electronic form. These must be submitted at least 2 weeks before the scheduled date of the workplace debate to the head of the DS, who will decide on the submission of the draft thesis for evaluation and invite the opponents for evaluation. The head of the DS shall set the date of the debate and appoint a chair and a notary.

(6) The workplace dispute shall be conducted in accordance with *the* scenario in *Annex 4* and a record shall be drawn up. The minimum requirement for a workplace discussion is that at least 5 colleagues with an academic degree and expertise in the relevant discipline.

(7) The record of the workplace discussion shall contain the course of the discussion and the opinions and findings relating to the amendment of the thesis. The mandatory annexes to the minutes shall be the opponents' opinions and the attendance sheet (*Annex 5*). In the event of a major revision of the thesis, the workplace debate shall be repeated.

(8) The formal requirements for the doctoral thesis are set out in *Annex 9 of the JNU Doctoral Regulations* and *Annex 6 of these Regulations*.

(9) The doctoral thesis is a summary of the results of the independent scientific work. The results should be presented in a coherent and self-explanatory manner, with new findings presented in a detailed manner, building on the applicant's professional publications. The formal requirements for the thesis statement are set out in *Annex 10 to the JNU Doctoral Regulations* and in *Annex 7 to these Regulations*.

16.§

(1) The proposal for the Review Committee for the **public debate** shall be submitted by the doctoral thesis supervisor to the DSC, which, after its resolution, shall propose the members of the Review Committee to the UDHC for approval.

(2) Documents required for the acceptance of the public debate by the jury:

- a) the doctoral thesis intended for final publication in 5 printed copies and electronically (pdf),
- b) a Hungarian thesis booklet in 5 copies and in electronic format (pdf),
- c) an English version of the thesis in 5 copies and in electronic format (pdf),
- d) a statement attached to the essay,
- e) proof of language skills (1 copy),
- f) professional curriculum vitae (1 copy),
- g) uploading publications to the Hungarian Science Bibliography (MTMT),
- h) list of publications (1 copy) and a summary list of publications (copy 1) in the MTMT- printed from,
- i) co-authorship statement may also be considered in the case of co-authored publications (1 copy)
- j) supporting documents (1 sheet) (*Annex 8*).

(3) The chairman and members (and alternates) of the **Review Committee** is appointed by the DSC. The *Review Committee* (minimum 5 members) consists of the chairperson, the official assessors and two to four additional members and the secretary. The chairperson of the committee shall be a professor or professor emeritus of the university, a lecturer or researcher with the title of Doctor of the Hungarian Academy of Sciences and all members of the committee hold a scientific degree. At least one third of the members are not employed by the University and at least one of the reviewers is external expert who are not employed by the University.

(4) After the submission of the thesis, the members of the evaluation committee will receive the thesis and the thesis booklet in printed and electronic form. The identity of the reviewers is not made public until the reviewers have completed their work. The two reviewers will, at the request of the UDHC President, *prepare a written evaluation of the thesis within two academic months of receipt of the thesis* and indicate whether they recommend that it be submitted for public examination.

The thesis can only be submitted for public debate if there are two supporting proposals. If one of the

the proposal of an assessor is negative, the UDHC President invites the third assessor. In the case of two negative evaluations, the award procedure is terminated by the UDHC President. In the case of two negative reviews or an unsuccessful thesis, a new thesis procedure may be initiated at the earliest after two years, and at the latest once for the same doctoral topic. The dissertation must be submitted for public discussion within two months of the date of receipt of the two favorable reviews within an academic period.

(5) Two signed copies of the evaluation must be sent to the Doctoral School. The candidate shall receive the evaluation reports in advance and shall submit his/her answers to the questions posed in

them in writing to the Doctoral School organising the defence at least 15 days before the public debate. The DS shall ensure that the *members of the Review Committee receive the opponent's comments in electronic form after receipt of both reviews and the candidate's replies to them no later than 14 days before the defence*. The thesis sent to the reviewers cannot be subsequently modified.

(6) If the Review Committee criticises professionally incorrect statements or does not accept thesis points, the relevant part of the committee minutes is appended to the dissertation (also in electronic form) and the defended dissertation is published with this appendix (library, repository). The UDHC chairman asks the chairman, secretary and members of the committee to take into account the opponent's opinions and the candidate's answers.

(7) The public debate is led by the committee's chairman. At the beginning of the debate, the Chairperson establish the quorum. The debate may be continued if at least one of the reviewers is present and the other referee has declared in writing that he/she accepts the answers to the questions; and at least two thirds of the total number of the reviewers, including at least one external expert (not employed by the University), are present.

(8) The procedure for the conduct of the public debate shall follow the scenario set out in *Annex 9*.

(9) The minutes of the public debate shall be drawn up in accordance with *Annex 11* of the JNU Doctoral Regulations and shall be prepared by the secretary of the public debate is led by the committee's chairman. The secretary shall send the minutes in their original form, signed by the members of the committee, and completed electronically, to the head of the DS, who shall countersign them. The minutes must be accompanied by the signed opponent's opinion, the written answer to the questions of the candidate opponent and the attendance sheet. The minutes are public, and a copy may be issued by the DSC on written request. The decisions of the jury and the reasons for them shall be recorded in the minutes of the candidate's proceedings. At the request of the candidate, the President of the UDHC may issue a certificate of the outcome of the public debate.

(10) At the end of the debate, the committee decides in a closed session by secret ballot on the doctoral thesis, the candidate's independent scientific work and his/her performance in the doctoral examination. Each member of the committee with voting rights rates the candidate's performance in the doctoral examination on a five-point scale (rating 1-5). The percentage score, calculated on the basis of the five-point scale, determines the grade of the diploma. The committee take a decision and the result shall be determined by the vote of the members of the committee in accordance with the University Doctoral Regulations. The Chairperson shall publicly announce and justify the result of the public debate after the vote.

(11) The qualification for the degree of Doctor of Philosophy may be one of the following:

- a) Summa cum Laude (91% - 100%)
- b) Cum Laude (81% - 90%)
- c) Rite (60% - 80%)
- d) Insufficiens (59% -) - unsuccessful

(12) Except in the case of a public debate, he/she shall be excluded from the doctoral procedure and shall not participate in the examination of the merits of the case, nor shall he/she be present at the hearing of the case,

(a) who is the same direct manager or subordinate or colleague of the applicant at the place of work a member of an organisational unit (the same unit is deemed to be the same department, institute department, research group or research group, but not a university, its faculty, research institute, museum or other institution) or a relative as defined in Section 8:1 of the Act V of 2013 on the Civil Code.

(b) in addition to the above, no official referee or member of the evaluation committee may be a co-author with the applicant of any work used in the doctoral thesis on which the procedure is based, c) or who cannot be expected to give an objective consideration to the case for any other reason.

(13) When the public debate is announced, the thesis and the thesis booklet shall be made public on www.doktori.hu and on the website of the John von Neumann University, as indicated on the website of the doctoral school. The date of the public debate will be agreed with the candidate's supervisor. The dates of the debates will be published on the DS and the National Doctoral Council websites at least 2 weeks before the debate.

Completion of the degree awarding procedure, qualification and the content of the doctoral degree,

17.§

(1) The Doctoral School Council shall make a proposal on the awarding of the doctoral degree (PhD) and its classification on the basis of the minutes of the evaluation committee and the qualifications received, by sending the complete documentation (copy of the university degree, copy of the documents proving language proficiency, list of the candidate's publications, official reviews and the candidate's responses to them, minutes of the doctoral examination, decision of the doctoral council of the discipline) to the UDHC. The doctoral degree procedure is concluded by a decision of the UDHC, which awards the doctoral degree in a decision which is also recorded on the candidate's transcript.

(2) The degree awarding procedure is successful if the evaluation committee considers the candidate's thesis, independent scientific work and performance in the defence to be satisfactory.

(3) The UDHC shall prepare the doctoral degree within 30 days of its decision and shall issue an official copy of the degree upon request. The date of the degree shall be the date of the UDHC decision, from which date the holder of the doctoral degree (PhD) may use the title Dr. (PhD).

(4) The degree shall be issued by the University in Hungarian and English (*Annex 12 of the JNU Doctoral Regulations*) and signed by the Rector of the University and the President of the UDHC.

(5) The diploma shall be a public document bearing the coat of arms of Hungary and shall contain the name, institutional identification number, stamp of the John von Neumann University, the serial number of the diploma, the name, date and place of birth of the holder of the diploma, the qualification of the doctoral degree, the field of study, including the discipline, the place, year, month and date of the award of the degree. The degree may be awarded in one discipline only. The name of the doctoral school and/or the doctoral programme in which the candidate obtained his/her degree may be indicated in brackets next to the discipline, if required.

(6) Doctoral degree holders shall be conferred doctorates by the university in a public ceremony. At the ceremony, the candidates shall take the oath.

Habilitation

18.§

(1) The habilitation process in Management and Business Administration Sciences at John von Neumann University is regulated in a separate regulation (Habilitation Policy).

Quality policy of the doctoral school

19.§

(1) John von Neumann University Doctoral School of Management and Business Administration has own Quality Assurance Plan, which details the JNU-DSMBA 's principles and tools for quality assurance in doctoral education, including quality assurance guidelines, quality objectives, student review of teaching work, student review of supervisor work and quality assurance indicator system.

Alumni policy of the doctoral school

20.§

(1) The registration of graduated students is by the Secretary and by the Administrator of the DS.

(2) Former doctoral students who have obtained a degree at the Doctoral School are also invited to the conferences organised by the JNU-DSMBA. They may participate in the conferences as committee members or speakers. Based on their participation, feedback from former PhD students will be an integral part of the quality assurance process, and supervisors and their supervisors will be informed.

Kecskemét, 22 September 2022.

Dr. habil. Fülöp Tamás
rector

Maráz Vince
the Director of Finance, Chancellor

Annex 1: REQUEST TO CO-SUPERVISOR

Filled in by Doctoral School

Doctoral School of Management and Business Administration Council of the Doctoral School	reg.no.:.....
Date of receipt of application: 202.... ..	
<i>Opinion:</i>	accepted / not accepted
<i>Annexes attached:</i>	yes / no
<i>Comment:</i>	

STUDENT REQUEST TO appointment of a co-supervisor

Filled in by the applicant!

PERSONAL DATA, CONTACT DETAILS
Name:
Name at birth:
Year:
Type of study:
NEPTUN ID:
Supervisor:
Research topic:
Mailing address:
Phone:
E-mail address:

Filled in by the applicant!

THE SUBJECT OF THE REQUEST*,	REQUEST FOR CO-SUPERVISOR
REASON FOR REQUEST	

Date:

signature of doctoral student

** Please indicate the exact reason why you wish to complete this application.*

AUTHORISING OF THE CO-SUPERVISOR

Doctoral student name: Year:

Doctoral School of Management and Business Administration

Research topic:
.....

Supervisor's name:

Workplace:
.....

Research area:
.....

Name of the **co-supervisor** you wish to nominate:

Workplace:
.....

Doctoral school where is accredited supervisor:
.....

Research area:
.....

Justification:.....
.....
.....
.....
.....
.....
.....

Date:

.....

PhD student

supervisor

co-supervisor

I support / do not support the request. *

Date:

.....

Head of Doctoral School

*underline as appropriate

Annex 2: REQUEST TO CHANGE OF SUPERVISOR

Doctoral School of Management and Business Administration Council of the Doctoral School	reg no.:.....
Date of receipt of application: 202.... ..	
<i>Opinion:</i>	accepted / not accepted
<i>Annexes attached:</i>	yes / no
<i>Comment:</i>	

STUDENT REQUEST to change of supervisor

(in case of a change of supervisor, the agreement of the supervisor must be attached!)

Filled in by the applicant!

PERSONAL DATA, CONTACT DETAILS
Name:
Name at birth:
Year:
Type of training:
Neptun ID:
Supervisor:
Research topic:
Mailing address:
Phone:
E-mail address:

Filled in by the applicant!

THE SUBJECT OF THE REQUEST *	CHANGE OF SUPERVISOR
THE REQUEST REASON	

Date:

signature of doctoral student

** Please indicate the exact reason why you wish to complete this application.*

ANNEX TO THE REQUEST TO CHANGE OF SUPERVISOR

Filled in by the applicant's previous supervisor!

THE NAME OF THE SUPERVISOR:	
SUPERVISOR'S OPINION*	a) I accept and support the application. b) I do not support the request. Reason:
OTHER COMMENTS	

** Underline where appropriate!*

Date:

.....
signature of previous supervisor

Filled in by the applicant's new supervisor!

THE NAME OF THE SUPERVISOR:	
SUPERVISOR'S OPINION *	a) I accept the role of supervisor and support the application. b) I do not support the request. Reason:
OTHER COMMENTS	

** Underline where appropriate!*

Date:

.....
signature of new supervisor

I support / do not support the request. *

Date:

.....
Head of Doctoral School

A statement from the supervisor must be attached to the application. (This can be sent by e-mail.)

**Annex 3: FINAL (PART) REPORT
ON THE ACTIVITIES OF THE PHD STUDENT**

I. PERSONAL DATA

Name: **Neptun ID:**

JOHN VON NEUMANN UNIVERSITY

DOCTORAL SCHOOL OF MANAGEMENT AND ORGANISATION

Student status: from **to**

Title of research topic:

Supervisor(s):

II. EXAM RESULTS

Subject name	Exam results		Credit
	with letter	with number	
Totals			

III. LANGUAGE EXAM RESULTS (copies of language certificates must be attached)

Foreign language	Language examination level,	Document date	Document serial no.

IV. PUBLICATIONS

(please attach the list of publications and summary table of MTMT)

Publication title	Co-author(s)	Place of appearance (journal,conference)	Meets to the minimum requirements

V. INFORMATION ON OBTAINING A DEGREE

Scheduled date of the workplace defense (if relevant):

Status of research work, dissertation stage of completion (%):

Public debate scheduled for:

VI. AFTER THE ABSOLUTORIUM

Workplace, mailing address and telephone number:

.....
.....
.....

Mailing address, telephone number, e-mail address:

.....
.....
.....

Date:.....

.....

supervisor

.....

PhD student

Annex 4: SCENARIO OF WORKPLACE DEBATE

Chairman: opens the debate and to announce that the Council of the Doctoral School of Management and Business Administration has scheduled a working debate on

PhD student

his/her thesis on

Chairman: He announce that the Council of the Doctoral School had invited the following experts with academic degrees:

For the Chairman:

.....
chairing the workplace debate,

For the Secretary:

.....
to act as the court reporter for a workplace debate,

For reviewers:

.....
.....

A legal barrier: No person who is a close relative of the doctoral candidate, who is the applicant's immediate supervisor or subordinate, or who is a staff member in the same organizational unit (the same unit is defined as the same department, institute department, research group or grant research group, but not as a university, its faculty, research institute, museum or other institution); and, in addition to the above, no official referee and member of the referee committee who is a co-author of any work used by the applicant in the doctoral thesis on which the procedure is based.

Chairman: ruled that the debate was admissible because:

- a) more than five professionals with academic degrees are present,
- b) both assessors are present (one assessor is present and a positive opinion from the other assessor is available),
- c) the candidate has fulfilled the prerequisites because:
 - have the minimum required publications,
 - submitted your thesis and dissertation in accordance with the requirements.

Chairman: He will then ask those present if they have any questions or comments on the opening of the debate, and if not, the substantive work can begin.

Chairman: Invite the candidate to give a free presentation of 20 minutes on the objectives of his/her thesis, the research methods and the new results of his/her research.

Chairman: He invites the reviewers to state the substance of their opinions (If only one reviewer is present, the opinion of the absent opponent(s) will be read out by the secretary).

.....
.....

Chairman: He asked whether the participants in the debate wished to put questions to the candidate or to contribute to the debate.

Chairmen: He will give the floor to all speakers in the order in which they apply, as long as there are applicants.

Chairman: The supervisor has the last opportunity to speak.

Closing remarks by the Chairman:

A concise evaluation of the thesis material prepared for the workplace debate:

- the fit of the dissertation with the discipline of the doctoral school,
- methodology,
- literature, terms,
- independent scientific achievement,
- publications.

Annex 5: WORKPLACE DEBATE MIUNTES

Name: Student ID:

Place of birth: year/month/day:

Mother's name:

Nationality:

Supervisor's name:

Co-supervisor's name:.....

Doctoral School name:

Discipline:

Language of the workplace debate:

Title of the draft doctoral thesis:

.....
.....

Reviewers of the thesis:

NAME

SIGNATURE

.....

.....

.....

.....

Review Committee:

NAME

TEACHER ID

SIGNATURE

Chairman:

Dr.

.....

.....

Secretary:

Dr.

.....

.....

Date of the workplace debate: 20.....

Location:

The essence of the questions/comments asked in the workplace debate:

.....
.....
.....
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.....

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.....
.....

The workplace debate: successful/unsuccessful*

Date, 20.....

.....

Signature of the chairman of the committee

*Underline as appropriate

Required annexes: signed reviewer's opinions, List of attendance.

DOCTORAL (PhD) DISSERTATION

Author's name

KECSKEMÉT

20....



Doctoral School of Management and Business Administration

THE TITLE OF THE DISSERTATION

author's name

KECSKEMÉT

20...

The doctoral school

name: **Doctoral School of Management and Business Administration**

discipline: **Management and Business Administration**

head of: <<name>>
position, (professor, associate professor, etc.) (PhD, CSc, HAS
Doctorate)
Department (Institute, Department)

supervisor(s): <<name>>
position, (professor, associate professor)
(PhD, CSc, HAS Doctorate)
Department (Institute, Department)

<<name>>
position, (professor, associate professor) (PhD, CSc, HAS
Doctorate)
Department (Institute, Department) > >

.....
approval of head of doctoral school

.....
approval of supervisor

.....
approval of supervisor

STATEMENT

I undersigned, <<Name>> (date of birth: <<place of birth, date of birth>>), being aware of my criminal and disciplinary responsibility, declare and certify by my signature that the thesis submitted for the award of the doctoral degree (PhD) is solely my own independent work.

I further declare that:

- the **Doctoral School of Management and Business Administration** I have read and agree to be bound by the terms and conditions set out therein,
- I handled the literature used in a correct manner, and I complied with the laws and regulations applicable to the dissertation,
- I have indicated the original location of ideas and data from others, published or not published, in the dissertation in the references, in the bibliography, and among the sources used, taking into account current copyright protection,
- I have not submitted a thesis with the same or partly the same content as the submitted thesis to another university or doctoral school for the purpose of obtaining a degree.

<<Date>>

<<Name>>

TABLE OF CONTENTS

INTRODUCTION

1. LITERATURE REVIEW

<DS paragraph > In the literature review, I consider it a priority to present the current situation of the pig sector in the world, the European Union and our closer environment, Hungary. It is important to point out that in recent years, several domestic dissertations (NYÁRS, 2005; BARTHA, 2012; VIDA, 2012) and studies (NYÁRS, 2008a; NYÁRS 2008b; UDOVECZ and NYÁRS, 2009; POPP and NYÁRS, 2009; POPP, 2010) have dealt with the prospects of the world, EU and Hungarian pig markets, but the focus of my research is on the econometric analysis of the mangalica pig sector, which is considered as indigenous.

1.1 Current situation of pig production in the world and in the European Union /DS Level 1 Subchapter title/

< DS paragraph > According to FAO (2013), in 2011 there were nearly 1 billion pigs in the world, most of which, 60%, were kept in Asia. China is the world's leading producer of pigs, accounting for almost half of world production (51 million tons). Europe is second in terms of pig numbers, with around 187 million head, despite the fact that EU production has been declining in recent years. In the USA, the number of pigs registered exceeds 66 million head (Figure 1).

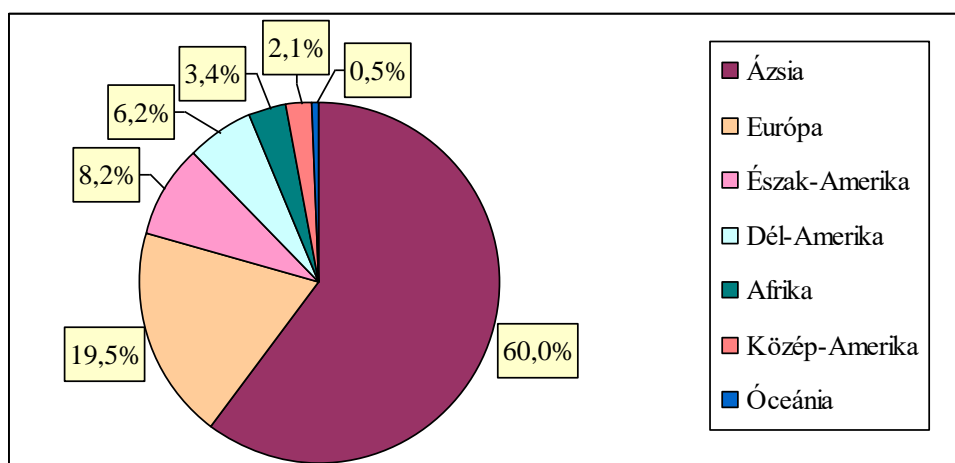


Figure 1: Distribution of pig numbers by continent <DS_Figure title>

Source. FAO adatai alapján saját szerkesztés, 2013 <DI_source>

< DS paragraph > The most important value traits of the Mangalica are shown in Table 1, where I have also included the average values of the pigs kept and fattened under intensive conditions. They show that the Mangalica is inferior to the intensive pig breeds in all the above-mentioned performance indicators, which makes it difficult to speak about the competitiveness of the segment in the pork market. are what make mangalica unique, which I will come back to later as positive values.

Table 1: Major value traits of Mangalica and intensive pigs /DS

Table title/

Measured attributions	Measurement unit	Mangalica	Intensive pig
Reproduction	(piglet no/calving)	5-6	10-12
Time between calving	(day)	270-290	165-180
Calving frequency	(calving/year)	1,3-1,6	2,1-2,2
Feed efficiency	(kg/kg)	4,5-5,5	3-3,5
Meat ratio	(%)	50-65	25-30
Slaughter weight	(kg)	130-150	100-110

Source: SZABÓ et al, 2013; PÁSZTHY, 2007 based on own compilation <DS_Source>

< DS paragraph > The indigenous and/or native pig breeds found in European and non-European countries, as detailed in Annex 2, share many of the same characteristics as the Mangalica, including

- <DS_listing> value traits: low reproduction, resistance, tolerance to extensive housing conditions,
- <DS_listing> role in gene conservation: independent breeding organisations do this work,
- <DS_listing> volume: it represents only a small proportion of intensive pig production,

1.1.1 Theoretical approach to supply chain management and product chain /DS Level 2
Subheading/

<LAMBERT and COOPER (2000) pointed out in their study that the supply chain has basically 4 main characteristics:

- <DS_Numbered list> Increasing vertical integration within and between organisations takes place in several steps.
- <DS_Numbered list> Includes several independent firms, suggesting that managerial relationships are essential.
- <DS_Numbered list> The supply chain involves a two-way flow between product and information, and between management and operational activities.

2. MATERIAL AND METHODS

3. RESULTS AND THEIR EVALUATION

4. CONCLUSIONS, RECOMMENDATION

5. THE MAIN FINDINGS, NEW OR NOVEL RESULTS OF THE DISSERTATAION

SUMMARY

(the chapter is not numbered)

BIBLIOGRAPHY

1. <DS_Literature_item> Adamowicz, W. L. - Boxall, P. - Williams, M. - Louviere, J. (1998). Stated preference approaches for measuring passive use values: choice experiments and contingent valuation. *American Journal of Agricultural Economics*, 80, 64-75.
2. Aizaki, H. - Nishimura, K. (2008): Design and Analysis of Choice Experiments Using R: A Brief Introduction, *Agricultural Information Research* 17(2), 86-94.
3. Bain, J. S. (1951): Relation of profit ratio to industry concentration: american manufacturing 1936-1940. *Quarterly Journal of Economics*. 65: 293-324.
4. Baldereschi F. - Ciociola S. - Giannini E. - Gie S. - Matarese A. M. - Milano S. - Ponzio R. (2010): Slow food Presidia. p. 116
<http://www.slowfoodfoundation.com/filemanager/Le%20pubblicazioni/slow%20food%200presidia%202010.pdf> (downloaded: 21.11.2012.)
5. Bánáti D. - Várkonyi G. (2009). In: Trienekens J, Petersen B, Wognum N, Brinkmann D (Ed.) *European pork chains: Diversity and quality challenges in consumer-oriented production and distribution* Wageningen Academic Publishers, pp. 145-156.
6. Bethlendi L. - Kerékgyártó Gy-né (1970). *Statistical Review*. 48 (6): 649-658.

LIST OF PUBLICATIONS

LIST OF TABLES

LIST OF FIGURES

ANNEXES

A1

A2

**Annex 7: STRUCTURAL AND FORMAL REQUIREMENTS FOR
THE SHORT SUMMARY OF DOCTORAL (PhD) DISSERTATION, TEMPLATE**



Doctoral School of Management and Business Administration

<<THE TITLE OF THE DISSERTATION>>

Short summary of doctoral (PhD) dissertation

<<author's name>>

Kecskemét

20..

The doctoral school

name: Doctoral School of Management and Business Administration

discipline: Management and Business Administration

head of: <<name>>
position, (professor, associate professor, etc.) (PhD, CSc, HAS
Doctorate)
Department (Institute, Department)

supervisor(s): <<name>>
position, (professor, associate professor)
(PhD, CSc, HAS Doctorate)
Department (Institute, Department)

<<name>>
position, (professor, associate professor) (PhD, CSc, HAS
Doctorate)
Department (Institute, Department) > >

.....
approval of head of doctoral school

.....
approval of supervisor

.....
approval of supervisor

1. BACKGROUND, OBJECTIVES AND HYPOTHESES OF THE RESEARCH

1. <DS_paragraph> My choice of topic goes back to 2009, when I started to study the mangalica sector, including short interview questionnaires to assess the current and prospects of producers. The interviews revealed the problems that producers were facing in the sector, and I set myself the goal of carrying out a complex analysis of the entire product chain as part of my academic work. During my PhD studies, I worked with the National Association of Mangalica Producers (MOE) to collect data and information to describe the sector, thus helping the association in its work.

2. Main objectives of the research

1. <DS_Numbered list> Presentation and assessment of indigenous pigs, and importance in the world. These are used as a basis for comparison with the Mangalica breed, which is a native pig.
- <DS_Numbered list> Description of the current situation of the mangalica sector, processing and evaluating the SWOT analyses prepared earlier based on the literature, supplementing them with my own research results.

2. DESCRIPTION OF THE DATABASE AND METHODS USED

3. <DS_paragraph > In my research, I conduct both secondary and primary research.

2.1 The SCP paradigm /DS Level 1 Subchapter title/

4. <DS_paragraph > The most effective way to examine the actors within a sector is to assess the external and internal environment.

1.1.1 Qualitative research method/DS Level 2 Subchapter title/

**Table 1: Number of in-depth interview subjects by activity /DS
Table title/**

Activity	Total Responders (no)	Company Size		
		Small	Mediums	Large
Expert	2	1	1	
Producer and trader	6	2	2	2
Producer, service provider and trader	2		1	1
Producer,	1		1	
Totals	11	2	4	3

Source: own edit, 2013 <DS_Source>

3. MAIN FINDINGS OF THE DISSERTATION

4. NEW OR NOVEL RESULTS OF THE DISSERTATION

5. PRACTICAL USE OF THE RESULTS

6. PUBLICATIONS ON THE SUBJECT OF THE DISSERTATION

Scientific journals in foreign languages

1. BALOGH P. - SZABÓ P. - POCSAI K. (2013): Introduction of Different Mangalitz Breeds's Prolificacy and Rearing Performances. 34- 37. ISSN 1803-2303

2.

Scientific journal in Hungarian

2. POCSAI K. (2013). Agricultural Science Publications = Acta Agraria Debreceniensis.52: pp. 147-153. ISSN 1587-1282.

Scientific book/textbook in a foreign language

Scientific book/textbook in Hungarian

3. BALOGH P. - CSIPKÉS M. - HUZSVAI L. - NAGY L. - POCSAI K. (2012). László Huzsvai (ed.) Debrecen: Seneca Books, 2012. 174 p. ISBN:978-963-08-5016-2

4.

Lecture published in full in a foreign language abroad

4. POCSAI K. - SZABÓ P. - BALOGH P. (2011). In Jan Hron (ed.) Agrarian Perspectives: Proceedings of the 20th International Conference. Praha, Czech Republic, 13.09.2011-2011.09.14. Praha: Czech University of Agriculture in Prague, 2011. pp. 107-115. ISBN:978-80-213.

PUBLICATION

File -> Print -> Printer Options -> Printing

-Print on both sides

-Field layout: left-hand threading

-2 pages per sheet

Annex 8: VERIFICATION SHEET *

We confirm that

(name/birth name)

PhD student

in the

DOCTORAL SCHOOL JOHN VON NEUMANN UNIVERSITY OF MANAGEMENT AND BUSINESS ADMINISTRATION

the applicant has fulfilled the following conditions:

1. obtained a certificate of completion
2. has publications in accordance with the requirements of the doctoral school and has submitted the required publications to the Head of the Doctoral School,
3. the list of publications in the field of the Doctoral (PhD) thesis meets the formal requirements,
4. the "Verification sheet" must be accompanied by a list of publications in the field of the research topic which the Candidate intends to include in the thesis booklet of the Doctoral (PhD) thesis and which are recorded in the MTMT,
5. has a minute of an successful workplace debate,
6. the candidate revised his/her dissertation considering what was at the workplace debate,
7. the doctoral dissertation and short summary of doctoral dissertation is submitted in accordance with the University Doctoral Regulations and Doctoral School the requirements.

	Agree	I do not agree with the following points	Date	Signature
Supervisor				
Co-supervisor				
Head of Doctoral School				

* The Verification sheet is required before sending the PhD thesis and dissertation for reviewing.

Annex 9: SCENARIO OF PUBLIC DEBATE OF PHD DISSERTATION

I. CLOSED MEETING BEFORE PUBLIC DEBATE

Chairman: He/She establishes whether the deliberation is admissible, whether the assessors and the members of the review committee are present and shall formulate the position of the review committee as to whether the public debate should be held or, if there is a legal impediment, whether it should be postponed and to what date.

A legal barrier: No person who is a close relative of the doctoral candidate, who is the applicant's immediate supervisor or subordinate, or who is a staff member in the same organizational unit (the same unit is defined as the same department, institute department, research group or grant research group, but not as a university, its faculty, research institute, museum or other institution); and, in addition to the above, no official referee and member of the referee committee who is a co-author of any work used by the applicant in the doctoral thesis on which the procedure is based. The composition of the committee shall not meet the requirements of the JNU-DSMBA rules.

Reviewers: state whether they accept the candidate's written reply to the opponent's opinion.

Secretary: Reports the written comments received.

Chairman: After deliberation, he will summarise the points to be raised or clarified in the public debate, which will be noted by the Secretary.

II. THE PUBLIC DEBATE

Chairman: He opens the debate and announced that the Doctoral School Council put it up for public debate on his doctoral thesis candidates He announces that the University Doctoral and Habilitation Council, on the recommendation of the Doctoral School Council, had appointed the following Review Committee for the debate: see the invitation letters.

Determines whether the dispute is contactable.

- a) whether the members of the Selection Committee are present,
- b) whether the official reviewers are present,
- c) whether the candidate has fulfilled the requirements
- d) does the candidate have any objections to the members of the Review Committee?

He then asks the Review Committee if they have any questions or comments on the opening of the debate.

If not, the Review Committee starts its work.

The Secretary of the Review Committee is invited to present the scientific curriculum vitae of the candidate.

Secretary: reads out the scientific curriculum vitae of the candidate.

Chairman: Invite the candidate to give a free oral presentation of 30 minutes on the objectives of his/her thesis, the research methods, and the new results of his/her research.

Chairman: He invites the official reviewers to give their opinions on the thesis in turn (If only one reviewer is present, the opinion of the absent reviewer is read out by the Secretary.)

Invite the candidate to respond promptly and to the point to the criticisms made and to the questions, if any, posed by the reviewers.

The Secretary is invited to present the written questions raised by the members of the Review Committee and other written questions received.

Ask the members of the Review Committee if they wish to ask the candidate any questions (if so, the Candidate will answer immediately).

He asks if the participants in the debate wish to put questions to the candidate or to the official reviewers.

Once the questions have been asked, the candidate or the official assessors will respond immediately.

Chairman: He/she asks the official reviewers, the Review Committee whether the candidate's answer was satisfactory.

The Secretary is invited to present the written contributions received (including the members of the Review Committee), and then gives the floor to each participant in the order of the applications, as long as there are any applicants.

When there are no more contributions, the candidate is invited to reply to the contributions.

The supervisor has the option to be the last to comment.

He asks the official assessors, the Review Committee, and speakers whether the candidate's answer was satisfactory. If so, he announces that the Committee will retire for a decision if the candidate does not wish to speak.

III. CLOSED MEETING AFTER PUBLIC DEBATE

The closed session starts with an evaluation of the debate. The Secretary shall present the draft minutes of the debate, after which the President shall take a secret ballot, and the result is be recorded in the minutes of the debate.

Voting: the members of the Evaluation Committee (Chair, members, Secretary, reviewers) evaluate the performance in the thesis according to the Doctoral Regulations.

The members of the Review Committee sign the minutes.

IV. CLOSURE OF THE PUBLIC DEBATE

Chairman: He announced that the committee would continue the public session, and then announced and explained the result of the secret ballot and the classification of the thesis.

Secretary: doctoral students and doctoral candidates may appeal to the chairperson of the doctoral school council, the chairperson of the UDHC and the rector, in accordance with the official channels of appeal. Decisions taken in the procedure for the award of a doctorate may be appealed only on grounds of infringement of the law or of the Doctoral Regulations and the Rules of Procedure. Appeals must be submitted to the President of the UDHC, who will consider them within 30 days. The appellant shall advance the costs of the appeal. If the President of the UDHC upholds the appeal, the costs advanced shall be reimbursed by the DS. If the appeal is rejected, the costs shall be borne by the appellant.

Chairman: The public debate is closed.