

**Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS**

UNIVERSITY OF DEBRECEN

**Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS**

Doctoral School of Animal Husbandry

Kálmán Kerpely Doctoral School

Doctoral School of Nutrition and Food Sciences

for students commencing their doctoral education after 1 September 2016

D e b r e c e n – 24 June 2022

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Table of Contents

Table of Contents	2
CHAPTER I	4
Legislative background	4
CHAPTER II	5
Definitions	5
CHAPTER III	8
The organisational framework of doctoral education and the obtaining of degrees	8
1. Doctoral schools and doctoral programmes	8
2. Doctoral councils of the university and of the disciplinary areas	13
3. Academic records	16
4. The state funding of doctoral education	17
CHAPTER IV	17
Doctoral education	17
5. Admission to regular doctoral education	17
6. Full-time form of regular doctoral education	20
7. The legal status of students in full-time regular doctoral education	23
8. Forms of support available to and fees payable by doctoral students	24
9. Regular doctoral education with funding non-state-funded external scholarships	26
10. Interruption of the doctoral studies	27
11. Correspondence form of regular doctoral education	27
12. Individual preparation	28
13. The complex examination	29
CHAPTER V	30
The degree conferment procedure	30
14. The general conditions of the degree conferment procedure	31
15. Independent academic work	32
16. Knowledge of foreign languages	33
17. The dissertation	33
18. The dissertation evaluation and the public defence	36
19. Digital (online) public defence	39
20. The closing of the degree conferment procedure, the qualification of the doctoral degree, the content of the doctoral diploma, and the conferment ceremony	40
21. Earning a doctoral degree with high distinction	41
22. The nostrification of academic degrees earned abroad	41
CHAPTER VI	43
Miscellaneous provisions	43
23. The revocation of a doctoral degree	43
23. The doctor honoris causa title	44
25. The doctoral regulations	44
26. The fees for procedures and the remuneration of persons participating in them	45
27. Legal remedies	45
28. Implementing and transitional provisions	45
Appendixes	46
Doctoral councils of disciplinary areas, doctoral schools and doctoral programmes	46
Form of application for regular doctoral (PhD) education	62
Point scores in the admission process to doctoral programmes	64
Form of application for the complex examination and the doctoral (PhD) degree conferment procedure	85

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Written record of the complex examination.....	86
Written record of the doctoral (PhD) degree conferment	88
The scope of acceptable academic publications.....	90
The insert sheet of the doctoral dissertation.....	102
The title page and the required chapters of the theses of doctoral dissertation.....	104
The text of the doctoral oath.....	106
Application for the conferment of doctoral (PhD) degree on the basis of nostrification...	107
Allowances, normative financing and fees to pay.....	108
Doctoral acts and the qualification of the doctoral degree.....	110

CHAPTER I

Legislative background

- (1) The legal background of the Doctoral Regulations of the University of Debrecen consists of the following acts and decrees:
 - **Act CCIV of 2011** on national higher education (hereinafter: National Higher Education Act);
 - **Government Decree 137/2008 (V.16.)** on the state-recognised certified examination of foreign language attainment and on the nostrification in Hungary of language certificates of foreign language attainment issued abroad;
 - **Government Decree 389/2016 (XII.2.)** on financing the core activities of the higher education institutions;
 - **Government Decree 51/2007 (III.26.)** on allowances available to higher education students and certain fees payable by them;
 - **Government Decree 387/2012 (XII.19.)** on doctoral schools, the doctoral degree conferment procedure and habilitation;
 - **Government Decree 423/2012 (XII. 19.)** on the admission procedure to higher education institutions;
 - **Government Decree 87/2015 (IV.9.)** on the implementation of certain provisions of Act CCIV of 2011 on national higher education;
 - **Act C of 2001** on the recognition of foreign certificates and degrees;
- (2) In adopting its Doctoral Regulations, the University of Debrecen took into consideration:
 - the official position of the Hungarian Accreditation Committee on the establishment and operation of doctoral schools;
 - the Rules of Operation and Organisation of the University of Debrecen, as well as the regulations related to doctoral education and the conferment of doctoral degrees, constituting an appendix thereto.
- (3) A scope of the Regulations extends to the students, faculty members and researchers participating in the doctoral education, others contributing to the doctoral education and procedures, as well as those participating in the doctoral degree conferment procedure. In case of students whose doctoral education commenced before 1 September 2016, as well as candidates whose degree conferment procedure started before that date, the provisions of the Doctoral Regulations of the University of Debrecen adopted in 2008, as amended, shall be applied for the entire period of the doctoral education and the degree conferment procedure.

**Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS**

- (4) Within the framework of the present Regulations, the doctoral committees of the disciplinary areas may also adopt supplementary regulations and rules of procedure. The detailed rules applicable to the operations of the individual doctoral schools shall be contained in their own rules of operation.
- (5) The University shall make the Doctoral Regulations available on its website. The doctoral schools shall make their own rules of operations available on their own websites, as well as in the national doctoral database (doktori.hu)

* The Doctoral Council of Agricultural Sciences of the University of Debrecen (*hereinafter referred to as ADT*), on the basis of Chapter I (4) of the University of Debrecen Doctoral Regulations (*hereinafter referred to as the DSz.*), establishes the Regulations of the University of Debrecen Agricultural Sciences Doctoral Council, which is based on the DSz., and which contains its supplement and implementation, and is structured in accordance with certain provisions of the DSz.

The Regulations of the Doctoral Council of Agricultural Sciences of the University of Debrecen include the rules of operation of the Kerpely Kálmán Doctoral School, the Doctoral School of Animal Sciences and the Doctoral School of Nutrition and Food Sciences.

CHAPTER II

Definitions

For the purposes of the Doctoral Regulations of the University of Debrecen, the terms listed below, related to doctoral education and the conferment of doctoral degrees, shall have the following meanings:

doctoral committee: a body created for the organisation of doctoral education and the conferment of degrees, which has the right to make decisions with respect to doctoral education, specifically regarding admissions, starting the degree conferment procedure, as well as the decision on the conferment of degrees. At the University of Debrecen, there is a doctoral committee of the university, elected by the Senate, as well as doctoral committees of the disciplinary areas, elected by the doctoral committee of the university.

doctoral school: an educational organisation, operating with the approval of the Senate, encompassing various organisational units of the university, where the programmes aimed at earning academic degrees are conducted. Academic or other research groups supported by the Hungarian Academy of Sciences or research institutes outside of the institution may also participate in the work of the doctoral school.

core member: a faculty member or researcher having an academic degree in the discipline and research area of the doctoral school, engaged in continuous, high-quality academic activities, employed in full time in regular employment, who has identified the University of Debrecen in accordance with Section 26 (3) of the National Higher Education Act as his or her institute of affiliation for the purposes of public funding. With the approval of the doctoral committee, a Professor Emeritus of the University of Debrecen, as such term is defined in Section 32 (1) of the National Higher Education Act, may also be a core member.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Further, core members may also be academic advisers or research professors having an academic degree in the discipline and research area of the doctoral school, engaged in continuous, high-quality academic activities, employed by a research institute in full time in regular employment or as state employees, having the title “Doctor of the Hungarian Academy of Sciences,” provided that the University has concluded an agreement to this effect with the given research institute. A core member shall satisfy the above conditions for at least 5 years, and shall agree to also serve as a dissertation supervisor in the doctoral school. Core members may only be persons under whose supervision at least one (or in case of co-supervisors, two) candidate(s) has/have received a doctoral degree.

head of the doctoral school: a full professor of the University of Debrecen responsible for the academic standard and educational work of the doctoral school, who shall be a regular or corresponding member, or a doctor of the Hungarian Academy of Sciences, or a doctor of sciences (hereinafter, collectively: doctor of the academy).

council of the doctoral school: a body assisting the head of the doctoral school, meeting regularly, elected by the core members of the doctoral school, and whose members are appointed and relieved by the doctoral committee of the disciplinary area.

faculty members of the doctoral school: faculty members and researchers having academic degrees who – at the recommendation of the head of the doctoral school – are considered suitable by the council of the doctoral school of the disciplinary area for the duties of teaching, research and supervising in the framework of the doctoral school.

doctoral programme: educational and research organisations operating within doctoral schools, in case of satisfying the conditions specified by the doctoral regulations and having the approval of the doctoral committee of the disciplinary area.

doctoral student: a student participating in doctoral education, who has the rights and obligations as defined in the provisions of law on higher education;

doctoral student status: status based on the legal relationship between the doctoral student and the higher education institution, the content of which consists of the rights and obligations of the doctoral student and the institution as defined in the provisions of law on higher education. Student status is evidenced by the university by way of issuing and validating a student identification card.

state-funded doctoral scholarship: financial aid provided to doctoral students of Hungarian citizenship, or foreign doctoral students to be given the same status as Hungarian students on the basis of a provision of law or international treaty, participating in full-time, regular doctoral programmes.

doctoral education: educational, research and reporting activity, conducted in line with the specific features of the disciplinary area and the needs of the doctoral student, in the framework of individual or group-based preparation. The doctoral education consists of the coursework and research, as well as the research and dissertation stages. A prerequisite of participation in doctoral education is the possession of a master’s degree. The minimum number of credits to earn in the doctoral education is 240; the length of the education is 8 semesters.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

dissertation topic: a research topic that is suitable for the purpose of the doctoral student, under the supervision of the dissertation supervisor, acquiring the knowledge and skills necessary for the application of research methods, to create original academic results, and to give proof of the above in the form of academic publications, academic presentations and a doctoral dissertation (work, project).

complex examination: an examination to be completed in the course of the doctoral education, at the end of the fourth semester, as the conclusion of the coursework and research stage and as the condition of the commencement of the research and dissertation stage, which assesses and evaluates the student's progress in the academic and research fields.

dissertation supervisor: a faculty member or researcher with an academic degree whose proposal for a dissertation topic or topics has been approved by the council of the doctoral school and who, on the basis of the above, can responsibly supervise and assist the doctoral student in his or her studies, research and preparation for the receiving of a doctoral degree.

academic point (credit): the unit earned in the doctoral programme for the performance of academic work in the form of learning, fulfilling course requirements, conducting research or performing teaching activities. One credit may generally be earned by 30 hours of work.

study abroad programme: part of the doctoral education in which the doctoral student may participate on the basis of a work programme, approved by his or her supervisor, which ensures the validity of the given academic period in the university's doctoral education programme. The decision on the acceptance of the work programme of study abroad programmes shall be made by the council of the doctoral school.

doctoral degree conferment procedure: the research and dissertation stage of the doctoral education after the successful complex examination.

doctoral dissertation: a written document, work or project created by the student in the stage of the degree conferment procedure whereby the candidate is to prove that he or she is capable of independently creating academic work that is commensurate to the requirements of the doctoral degree. A dissertation may be written in Hungarian or English, or other languages if justified by the topic of the dissertation.

doctoral theses: a summary work prepared for the academic public on the basis of the doctoral dissertation, in which the candidate describes his or her academic results on the basis of which, in the degree conferment procedure, he or she can give proof of preparation for receiving the academic degree. The doctoral theses shall be prepared in Hungarian and English (or other languages, in line with the characteristics of the given discipline).

doctoral degree: a degree that may be conferred by the doctoral committee of the university, which can be obtained on the basis of participation in regular doctoral education organised by the university or individual preparation, in both cases in the framework of a doctoral degree conferment procedure.

CHAPTER III

The organisational framework of doctoral education and the obtaining of degrees

1. Doctoral schools and doctoral programmes

(1) The University of Debrecen conducts regular doctoral education programmes in the disciplinary areas and disciplines covered by its operating permit, and confers doctoral (PhD) degrees as terminal university degrees, on the basis of such programmes. The doctoral degree is conferred as evidence of thorough knowledge of the given discipline at a high level, original academic results accomplished, and the ability to conduct research independently.

(2) The educational and research frameworks for the regular doctoral education programmes are the **doctoral schools**. Within doctoral schools, at the initiative of the doctoral school and with the approval of the doctoral committee of the disciplinary area, **doctoral programmes** may operate.

(3) The setting up of a doctoral school may be initiated by at least seven core members. The majority of the core members shall be full university professors. One person may only be a core member in one doctoral school at a given time. A doctoral school working in several disciplines shall have at least three core members per discipline (but at least nine in total), the majority of whom shall be full university professors, and who shall conduct research in the given discipline. The doctoral schools working in the discipline of education science may also have core members from a disciplinary area related to teacher education.

(4) An application to the doctoral committee of the disciplinary area (or in the absence of such committee, to the doctoral committee of the university) shall be submitted by the person proposed as the head of the doctoral school for approval of the setting up of a **doctoral school**. In case the support is given, the doctoral committee of the disciplinary area shall submit the application to the doctoral committee of the university. The foundation documentation of the doctoral school shall be prepared by the core members of the doctoral school. The documentation shall include:

- a) the classification of the doctoral school according to disciplinary area, discipline (branch of art);
- b) the master's programmes, building on which the higher education institution satisfies the conditions set forth in section 16 (2) of the National Higher Education Act;
- c) the designation of the research area of the doctoral school;
- d) the designation of the doctoral degree that may be issued as a result of the doctoral degree conferment procedure;
- e) the names, academic (or artistic) CVs, and documentation on the most important academic (in case of a doctoral school of arts, academic or artistic) accomplishments and works of the person nominated as the head of the doctoral school, of the core members, of the supervisors proposed for the first three years, as well as of other faculty members of the doctoral school, visiting faculty members (or artists, in case of a doctoral school of arts) from Hungary and abroad;
- f) the educational plan of the doctoral school;

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- g) the international relations of the doctoral school, which are expected to be taken into consideration in the course of its operations;
- h) the quality assurance plan of the doctoral school;
- i) the rules of operation of the doctoral school;
- j) the declarations of the persons concerned to the effect that they accept the positions for which they are nominated, and they satisfy the conditions applicable to them;
- k) the cooperation agreement(s) related to the activities of the doctoral school.

(5) If it agrees with the application, the doctoral committee of the university shall submit the same to the university senate.

(6) The rector shall, after the decision of the university Senate on the setting up of the doctoral school, request that the Hungarian Education Authority enter the doctoral school in its register.

(7) The **head of the doctoral school** shall be a university professor in the full-time employment of the university, who has an academic degree or the title doctor of the Academy (DSc). The head of the doctoral school shall be elected from the core members of the doctoral school – on the nomination of the majority of core members, after also obtaining the opinion of the doctoral committee of the disciplinary area – by the doctoral committee of the university and appointed by the rector for a term not exceeding five years. The appointment is renewable without limitation. The appointment shall be terminated with the resignation of the head of the doctoral school or with the termination of his or her full-time employment. In case of the termination of the appointment of the head of the doctoral school, the core members of the doctoral school shall nominate, based on their majority vote, for the person of the new head, from among the core members of the doctoral school who are full professors. The duties of the head of the doctoral school:

- being responsible for supervising the work of the council of the doctoral school and for the execution of the decisions of the council;
- coordinating the professional work of the doctoral school and being responsible for its quality;
- representing the doctoral school;
- supervising the administration of the doctoral school and exchanging information with the relevant doctoral committee/councils;
- being responsible for the use of the state funding of doctoral education and other financial sources received by the doctoral school, in compliance with the university's rules of financial management.

(9) A **doctoral programme** may be created within a doctoral school if, in addition to the head of the programme, at least three other faculty members of the doctoral school having the necessary academic qualifications and being in the full-time employment of the university participate in the programme. An exemption from this rule may, in exceptional and justified cases, be granted by the doctoral committee of the disciplinary area. The powers and the duties of the doctoral programmes operating within the doctoral school shall be drawn up in the rules of operation of the doctoral school. The decision on the launching of doctoral programmes shall be made, on the basis of the recommendation of the doctoral school, by the doctoral committee of the disciplinary area. The doctoral schools and the doctoral programmes of the university are listed in Appendix 1.

* Details of the ADT doctoral schools are given in Annex 1/a.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(10) The **head of the doctoral programme** shall be a core member of the doctoral school in employment or other legal relationship with the university, who is a holder of the title doctor of the Academy or – in exceptional cases, on the basis of the decision of the Doctoral and Habilitation Council of the University – of equivalent academic accomplishment. The head of the doctoral programme is appointed and relieved from his or her duties, at the initiative of the doctoral school and with the approval of the doctoral committee of the disciplinary area, by the Chairperson of the doctoral committee of the disciplinary area. The appointment shall be terminated with the resignation of the head of the doctoral programme, with the termination of his or her employment or other legal relationship with the university, or by way of being relieved of his or her duties, on the basis of the decision of the doctoral committee of the disciplinary area.

The duties of the head of the doctoral programme:

- supervising the professional work in the doctoral programme;
 - participating in the work of the council of the doctoral school with responsibility.
- Further duties and powers of the heads of programmes shall be included in the rules of operations of the doctoral schools.
- * management of DS accreditation-related tasks,
 - requirements, continuous review of the Code of Conduct and its full enforcement,
 - drawing up an annual budget plan.

(11) **Faculty members** of a doctoral schools shall be the faculty members and researchers, having academic degrees, who are considered by the council of the doctoral school as suitable for the duties of teaching, research and supervising in the framework of the doctoral school. Faculty members of the doctoral school may announce courses and dissertation topics in the framework of the regular doctoral education.

* **Doctoral School lecturers:**

- academics and researchers with an academic qualification in the relevant discipline, who are employed by the University and who declare their intention to join the Doctoral School
- invited guests from external institutes, universities with scientific qualifications
- professor emeritus

Invitation, appointment and termination of lecturers of the Doctoral School

- Tutors are organised on request or on their own application. The Head of the Doctoral School shall propose the recruitment of the Doctoral School's lecturers to the Doctoral School Council, which shall decide by majority vote.
- They declare their participation in the work.
- They will be assigned specific tasks, subject leading, teaching, complex examinations and participation in assessment committees.
- The termination of teaching duties may be due to changes in the field of work, retirement, etc., on the one hand at the request of the lecturer, on the other hand on the proposal of the Head of the Doctoral School, based on the resolution of the Council of the Doctoral School.

(12) Faculty members may, at the recommendation of the council of the doctoral school and on the basis of the decision of the doctoral committee of the disciplinary area, undertake the duty of serving as **dissertation supervisors**. Dissertation supervisors responsibly supervise the studies and research of candidates. In exception cases, approved by the Doctoral and Habilitation Council of the University and justified by professional reasons, a co-supervisor may also be designated in addition to the principal supervisor. The duties of the dissertation supervisor:

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- announcing doctoral dissertation topics (on the website of the doctoral school and in the national database);
- making a proposal on the educational and research plan of the doctoral student, and taking responsibility for the quality and the execution of the same;
- ensuring an opportunity for regular professional consultations, and certifying the performance of research duties in each semester;
- preparing an annual written report for the head of the doctoral school on the progress and results of the doctoral student;
- supporting the doctoral student in the writing of academic publications, the preparation of the doctoral dissertation, and in securing scholarships abroad;
- certifying that the candidate contributed to the results contained in the dissertation by way of his or her own independent research, and confirming that he or she supports the acceptance of the dissertation.

In one admission period, a maximum of 3 new doctoral students may be admitted and assigned to one dissertation supervisor, and each dissertation supervisor may simultaneously have a maximum of 8 doctoral students. In the course of the approval of the appointment of the dissertation supervisor, the doctoral committee of the disciplinary area shall take into consideration the results of the earlier supervising activity.

(13) The professional activities of doctoral schools shall be supervised by the head of the doctoral school and the **council of the doctoral school** having at least three members. The Chairperson of the latter shall be the head of the doctoral school, while its members shall be the heads of the doctoral programmes and a number of other faculty members, as prescribed in the rules of operation of the doctoral school. The council of the doctoral school may also have among its members one or several doctoral students, who shall have the right of consultation. The secretary of the doctoral school may, in case he or she is not otherwise a member, participate at the meetings of the council with the right of consultation.

The duties of the council of the doctoral school shall be:

- drawing up the rules of operation, the educational plan and the quality assurance plan of the doctoral school, as well as implementing the same;
- initiating any necessary changes in the persons of the heads of the doctoral programmes, and submitting proposals to the doctoral committee of the disciplinary area;
- making decisions concerning changes in the faculty members of the doctoral school;
- initiating changes as necessary in the name and content of the doctoral school and the doctoral programmes;
- initiating the launching of new doctoral programmes;
- providing the infrastructural and professional conditions necessary for the academic and research activities of the doctoral students;
- defining the structure of the regular doctoral education programme, announcing courses;
- making proposals for the purpose of the supervisors of the individual doctoral students, as well as possible changes in the person of the dissertation supervisor;
- approving the individual educational plans and research topics of doctoral students in the regular education programme;
- monitoring the progress of doctoral students in terms of their education and research, as well as the activities of the dissertation supervisors, and recording the system of monitoring in the quality assurance plan of the doctoral school;
- in justified cases, making proposals to the doctoral committee of the disciplinary area for the deletion of students from the programme;

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- making recommendations for the composition of the boards of the complex examination and the defence boards, as well as the examination subjects of those taking the complex examination;
- organising and holding the preliminary defence of the doctoral dissertations;
- making decisions on the use of the state funding of doctoral education and other financial sources received by the doctoral school.

The council of the doctoral school may delegate a certain part of its duties, as defined in its rules of operation, to the doctoral committee of the disciplinary area or the doctoral programmes operating within the school. The appeals forum from the council of the doctoral school shall be the doctoral committee of the disciplinary area.

* The appeal forum of the Doctoral School of Nutrition and Food Science is the Council of the two disciplines. In case of disagreement, the EDHT decides on the disputes.

The duties of the Council of the Doctoral School, in addition to those set out in paragraph (13) of Article 1:

- gives its opinion and approves the publication of scientific topics
- assesses the candidates' preparation, professional competence and choice of subjects
- determines the range of foreign languages accepted by the doctoral school
- designates the subjects and examiners for the complex examination

The Council decides on the following:

- members of the Doctoral Admissions Committee
- applications for exemption from tuition fees and tuition fee reductions, as well as applications for reimbursement and instalment reductions
- authorising a study trip abroad

The Council makes a proposal to the ADT on the following:

- the list of doctoral candidates eligible for admission after the doctoral admission procedure
- the composition of the complex examination board and the selection boards,
- credits and documented performance from study abroad
- acceptance of the performance of a study abroad
- for the defence of the students' theses
- nationalisation of academic degrees obtained abroad
- changing the way doctoral candidates are trained
- on applications for, and rejection of, applications for a degree
- propose to the ADT the names of the theme leaders

The Doctoral School is governed by the Doctoral School Council (DT). The members of the School Council are elected by the Head of the School and the members elected by the core members.

(14) The administrative duties of the doctoral school are performed by the **secretary of the doctoral school**. The secretary of the doctoral school shall be appointed by the head of the doctoral school, and may receive remuneration for his or her work. The duties of the secretary of the doctoral school:

- performing the administrative and record-keeping obligations of the doctoral school;
- announcing the subjects included in the educational plan of the doctoral school in the uniform academic administration system of the university (Neptun);
- uploading the doctoral dissertations and doctoral theses written in the doctoral school, as well as the invitations to the doctoral defences, to the electronic archive of the university (DEA);

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- the regular updating of the data and documents of the doctoral school in the national doctoral database (doktori.hu); adding and deleting students, faculty members, dissertation supervisors and core members in accordance with the decisions of the relevant bodies; publishing dissertation topic announcements; publishing doctoral defence announcements;
- the regular updating of the website of the doctoral school;
- performing secretarial duties for the council of the doctoral school.

Additional duties of the secretary of the doctoral school shall be included in the rules of operation of the doctoral school. The head of the doctoral school shall be responsible for checking the performance of the administrative obligations of the secretary.

*** Duties of the DS Secretary :**

- preparing DT meetings;
- preparing complex exams and workplace debates;
- preparing curriculum changes;
- the organisation of education;
- preparing and conducting the admission procedure;
- preparing the minutes/records of council meetings;
- announcing scientific topics.

Responsibilities of the DS Administrator :

- keeping of records
- administrative and financial management
- management of the national doctoral database

2. Doctoral councils of the university and of the disciplinary areas

(1) The university shall have a doctoral committee, and each of the disciplinary areas shall also have a doctoral committee, elected by the doctoral committee of the university. With the exception of doctoral student representatives, all members of the doctoral committees with voting rights shall be persons with academic degrees, satisfying the conditions for core members. In the selection of the members of the doctoral committees, it shall be ensured that at least one-third of all members with voting rights shall be persons who are not in the employment of the university. Doctoral committees shall have meetings at least twice per semester.

(2) The duties of the **doctoral committee of the university** are performed by the Doctoral and Habilitation Council of the University. The Chairperson of the Doctoral and Habilitation Council of the University shall be a full professor in the full-time employment of the university, who has an academic degree and the title doctor of the Academy (DSc). The Chairperson and the members of the Council are elected by the University Senate in accordance with Section 16 (5) of the National Higher Education Act and the university's Rules of Organisation and Operations. The Chairperson of the Doctoral Student Government shall be a member of the Doctoral and Habilitation Council.

(3) The Doctoral and Habilitation Council of the University shall primarily make decisions in issues related to the doctoral education and the conferment of doctoral degrees that are questions of principle or concern the entire university, thereby ensuring that the quality and reputation of the doctoral education is unified across the university. The merits of

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

personnel-related questions are dealt with by the doctoral committees of the disciplinary areas; with the exception of the conferment, nostrification and revocation of doctoral degrees, the doctoral committee of the university shall only deal with individual questions in case of disputes or complaints.

(4) **Doctoral committees of disciplinary areas** shall be formed in disciplinary areas where the university operates at least two doctoral schools. Certain, individual disciplinary areas may also operate a joint doctoral committee. In case of doctoral schools operating in more than one disciplinary area the Doctoral and Habilitation Council of the University shall decide on which doctoral committee the given doctoral school belongs to. In justified cases, doctoral schools operating in interdisciplinary areas may belong to more than one doctoral committee operating in different disciplinary areas on the basis of the decision of the Doctoral and Habilitation Council of the University. All heads of doctoral schools in a disciplinary area shall, by virtue of their position, also be members of the doctoral committee of the disciplinary area. In the selection of the members of the doctoral committee of the disciplinary area, an effort shall be made to represent all disciplines in which the university is entitled to confer a doctoral degree. Doctoral committees of the disciplinary areas are created by the Doctoral and Habilitation Council of the University. The Chairpersons of the doctoral committees of the disciplinary areas shall be full professor members of the relevant doctoral committee, **in the full-time employment** of the university, and with voting rights. The Chairpersons and members of the committees shall be elected for a 4-year cycle by the Doctoral and Habilitation Council of the University on the basis of the proposals of the doctoral schools concerned, and shall be appointed and relieved from duty by the Chairperson of the Doctoral and Habilitation Council of the University. The Chairpersons of the doctoral committees of disciplinary areas shall, by virtue of their position, be members of the Doctoral and Habilitation Council of the University.

- (5) The Doctoral and Habilitation Council of the University shall
- draw up the university's doctoral regulations, and initiate any amendments thereof, when necessary;
 - decide on the appointment and relieving of the Chairpersons and members of the doctoral committees of the disciplinary areas;
 - monitor the doctoral education at the university, and initiate changes when necessary;
 - control the process of admissions, as well as the doctoral education and degree conferment procedures, also including the verification that the conditions of degree conferment (e.g. publications) have been satisfied;
 - provide its opinion on proposals for the establishing, changing or discontinuing of doctoral schools, and then – in case of approval – forwards these proposals to the University Senate;
 - regularly evaluates for the University Senate – when requested – the doctoral education and the degree conferment procedure;
 - elects the heads of the doctoral schools;
 - with a view to the principles of the National Doctoral Committee and the development strategies of the university, decides on the distribution of the annual number of admissible students between the disciplinary areas;
 - adopts its position on proposals for the conferment of doctoral degrees with high distinction;
 - adopts its position on proposals on the proposals for honorary doctors;
 - monitors the use of the state funding of doctoral education;
 - decides on the proposals of the doctoral committees of the disciplinary areas;

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- decides on the appointment of co-supervisors;
 - decides on the conferment, nostrification and revocation of doctoral degrees.
- (6) The **doctoral committees of the disciplinary areas** shall
- monitor the doctoral education programme and, if necessary, initiate personnel-related or organisational changes;
 - prepare their opinions and then forward their recommendations to the Doctoral and Habilitation Council of the University for the establishing of new doctoral schools, the changing or termination of doctoral schools in the disciplinary area, as well as changes in the persons of the heads of the doctoral schools;
 - at the recommendation of the councils of doctoral schools, make decisions on the launching of doctoral programmes in doctoral schools, as well as on the appointment and relieving of the heads of the programmes;
 - decide on the announcement of admissions opportunities;
 - decide on the distribution of the state scholarship places between the doctoral schools within the given disciplinary area;
 - decide on the admission of students to the doctoral schools and on the dissertation supervisors of the admitted doctoral students;
 - decide on the application to take the complex examinations submitted by students preparing individually for the doctoral degree conferment procedure (cf. Section 53 (3) of the National Higher Education Act);
 - at the recommendation of the councils of doctoral schools, decide on the approval of changing a doctoral student's dissertation supervisors and the appointment of the new supervisor;
 - provide opinions on applications for the appointment of dissertation co-supervisors;
 - decide on the approval of applications for the interruption of studies;
 - decide on the recognition of documented achievements outside of the doctoral education by credits;
 - decide on the reasoned proposals of the councils of doctoral schools on the suspension of the doctoral scholarships of those admitted to the doctoral programmes, as well as the unilateral termination of student status;
 - ensure that the records required by Appendix 3 to the National Higher Education Act and Government Decree 87/2015. (IV.9.) are established and maintained;
 - accept applications for the degree conferment procedure and decide on the admission of doctoral dissertations to the defence;
 - appoint the Chairpersons and members of the admissions and complex examinations boards and the defence boards, as well as designate the subjects of the complex examination.
 - on the basis of the opinion of the defence board, decide on the request of the candidate for a closed defence;
 - provide opinions on the conferment and revoking of doctoral degrees, as well as the nostrification of academic degrees received abroad.

The administrative duties of the doctoral committees of the disciplinary areas, as well as the division of work between the doctoral committees of the disciplinary areas and the councils of the doctoral schools shall be defined in the rules of procedure of the doctoral committees of the disciplinary areas, which are drawn up by the doctoral committees of the disciplinary areas. The doctoral committees of the disciplinary areas provide in every issue specified by laws that are not detailed in the present Regulations.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(7) The meetings of the doctoral committees shall have a quorum if more than 50% of the members having voting rights are present. The decision-making shall be in accordance with the Rules of Organisation and Operations.

(8) If the decision of the doctoral committees of the disciplinary areas is different from the decisions of the professional boards (e.g. defence board etc.), then the doctoral committees of the disciplinary areas are required to justify their decision in writing.

(9) The forum of appeals from the doctoral committee of the disciplinary areas is the Doctoral and Habilitation Council of the University, while from the latter, the forum of appeals is the rector. An appeal against the decision of the doctoral committees may only be permitted in case of a breach of law or the doctoral regulations(s), or a procedural error.

(10) The general rules applicable to the election, legal status and operations of doctoral committees are defined in the Rules of Organisation and Operations of the University.

3. Academic records

(1) The doctoral committees of the disciplinary areas shall provide for the maintenance of records as required in Government Decree 87/2015. (IV.9.) in the electronic academic record-keeping system as follows:

- the students participating in doctoral education;
- the subjects and academic units offered by the doctoral schools in the given semester;
- on the performance of the academic obligations and the required research;
- any postponements of studies;
- doctoral students who have passed their comprehensive doctoral examinations;
- the degree conferment procedures.

The payment of scholarships and fees shall take place on the basis of the data in the electronic academic record-keeping system. The doctoral committees of the disciplinary areas shall be assisted in the performance of their administrative duties by a rapporteur from the Scientific Directorate. The selection of the rapporteur shall be subject to the agreement of the Chairperson of the given doctoral committee of disciplinary area.

(2) The Scientific Directorate shall:

- coordinate the administrative activity of the rapporteurs of the disciplinary areas;
- maintain aggregated records of those admitted and participating in doctoral programmes;
- be responsible for the supply of data to supervising bodies;
- maintain a registry of data on persons who received doctoral degrees and on the issuance of the diplomas;
- ensure that the required records of persons who received doctoral degrees are kept;
- maintain contacts, as required, with the competent department of the Ministry of Human Resources, the National Doctoral Committee, the Hungarian Education Authority and the Hungarian Accreditation Committee;
- coordinate the administration of the National Doctoral Database (doktori.hu) at the university.

* Registration system and administration of ADT-affiliated doctoral schools

- Keeping records of the members, lecturers, researchers and supervisors of the Doctoral School.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- Initiate administrative tasks related to the issuing of pre-degree certificates.
- Initiating the procedure for obtaining a degree.
- Publication of the electronic version of the theses before the public defence.
- Economic registry using the code system created.
- Registration of students, doctoral candidates and doctoral candidates.
- In the case of two doctoral schools operating in two disciplines, the EDHT has the right to decide on administrative disputes

4. The state funding of doctoral education

- (1) The amount of the normative financing of state-financed doctoral students is determined by the Government in a decree.
- (2) The proportion of the amount in the university's budget allocated to the doctoral education, as determined by the doctoral committee of the disciplinary area, which may not exceed 10%, may be spent on the operating costs of the councils and the salary of the rapporteurs of the disciplinary areas. The balance of the funding shall be divided up in full between the doctoral schools, in proportion to the number of doctoral students.
- (3) The council of each doctoral school shall decide on the use of the funding received by that doctoral school. The council of the doctoral school shall submit an annual report to the doctoral committee of the disciplinary area on the use of the funding.

CHAPTER IV

Doctoral education

5. Admission to regular doctoral education

- (1) There are two forms of regular (organised) doctoral education at the university: full-time (state scholarship supported or self-financing) and correspondence (self-financing, with the student maintaining his or her job). The Scientific Directorate shall announce admission opportunities and the related conditions annually, for all programmes, on the basis of data supplied by the doctoral committees of the disciplinary areas, in a distribution according to disciplinary areas and doctoral schools, in the national admissions bulletin and on the website of the university. Admission opportunities and the related conditions shall be also published by the doctoral schools on their own websites. The information shall include:
 - the number of doctoral students that may be admitted;
 - information on fees and allowances;
 - the conditions of the admission, with special attention to the evaluation of the entrance examination as well as the principles of ranking applied;
 - the amount of the fee payable for the admissions procedure, as well as information on the payment of the same;
 - other information as specified in a decree or as may be necessary for the applicants.
- (2) The university may also offer and provide doctoral education in foreign languages.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(3) The form of application (see Appendix 2) is available electronically on the website of the university. The deadline for the application is 15 May; while in case of starting in the spring semester, the deadline is 15 November. Organising and supervising the entrance examinations is the duty of the doctoral committees of the disciplinary areas, while conducting them is the duty of the doctoral schools.

(4) Admission to regular doctoral education is open to Hungarian and foreign citizens who have master's degrees and qualification received from a university in Hungary or abroad, or have a university education and qualification that is equivalent to the above, or will receive such degree and qualification in the year of their admission. The applicant must have at least one state-recognised, at least intermediate level (corresponding to level B2 of the Common European Framework of Reference for Languages of the Council of Europe), complex (certifying both oral and written skills, earlier called "C"-type) or equivalent nostrified language examination in the language necessary for conducting research in the given disciplinary area. The doctoral committees of the disciplinary areas shall determine what language(s) can be accepted. However, applicants with disabilities for doctoral education may be exempt from taking the language examination or a part of the language examination, depending on the type of disability specified in the specialist authority opinion. The decision on exemption shall be given by the doctoral committee of the disciplinary area on the basis of a request supported with specialist authority opinion. The scoring system to be used in the admission process can be found in Appendix 3 to the present regulation. All further conditions and details of the application and admissions procedure shall be determined by the doctoral committees of the disciplinary areas.

*University degree with at least a "good" grade for graduates within four years of the date of admission (degrees older than four years will be no longer valid).

The role of the doctoral school in the admission process:

1. Announcement of themes and topics

Themes and topics are announced each year, with the selection of the theme proposers taking place by 15 May, and by 15 November in the cross-year. The DT decides on the names of the topic proposers and the topics to be announced. The topics will be announced to the public on the DS website and the ODT website by the DS administrator.

2. General procedure for admission

The ADT is responsible for the publication of the admission procedure and the administrative management of applications. After the closing date for applications, the secretaries of the DSs receive the applicants' application files, which are formally checked and then sent to the secretaries of the DSs, who give them the opportunity to make up any deficiencies. Applicants will be invited to the interview by the Secretary of the Doctoral School in writing at least 8 days before the interview date.

The Chair of the Doctoral Council for Agricultural Sciences will notify the applicants in writing of the result of the admission decision.

The documents required to apply:

- completed application form (Annex 2)
- the annexes to be attached to the application form:

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- a brief description of the research topic, including a one-page justification
- a notarised copy of the university degree (the degree does not need to be notarised if it was issued by the University of Debrecen or one of its predecessor institutions)
- for graduating students, a copy of the transcript of records/electronic transcript of records certified by the department of studies, if the certificate is not yet issued
- notarised copies of documents certifying your foreign language skills (you do not need to have the certificate certified if you obtained it at an accredited language examination centre affiliated to the university)
- a certificate of payment of the admission fee (the amount of the fee is set out in Annex 12)

The procedure for the interview

- the doctoral schools are notified by the ADT President of the number and details of PhD applicants
- the head of the doctoral school sets up the admissions committee(s) on the basis of the applications, taking into account the recommendations of the doctoral school councils, organises the admissions interview, and notifies the applicants and the ADT of the date and place of the interview.

Evaluation of the interview

The selection committee will examine the candidates' ideas about their doctoral work, their professional background, their previous academic activities and their language skills. In addition to the criteria set out in Annex 3, the committee will assess the doctoral admission procedure according to the following criteria:

- a maximum of two languages per applicant
- if the diploma is more than four years old, no points are awarded
- the minimum - but not necessarily sufficient - score required for admission, 60 points
- the Admissions Committee assesses the performance of candidates, ranks them on the basis of their scores and recommends or refuses to admit them

Admission decisions must also be published on the website of the doctoral school, taking into account the data protection legislation in force.

The start of doctoral training

The first-year doctoral candidates are welcomed by the school's management in the first days of the first semester, where they are given information and introductions, their tasks are explained and they are taught to prepare their training and research plans. The subject supervisors discuss and assign the doctoral candidates' tasks for the semester and the year, help them to draw up their training and research plans, and start their study and research work. The training programme of the ADT doctoral schools is set out in Annex 3/a.

(5) The decision on the admission is made by the doctoral committees of the disciplinary areas by 15 July, or in case of starting in the spring semester, by 15 January. The admission of students shall be to a specific doctoral school and shall also name the supervisor of the student. The Chairpersons of the doctoral committees of the disciplinary areas shall inform the Doctoral and Habilitation Council of the University of decisions on admissions.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(6) The university may also admit students to non-state scholarships, but such applications shall be assessed on the basis of the same requirements as applicable to the others.

(7) The admission decisions shall be publicly available to all interested persons at the university. The doctoral committees of the disciplinary areas shall inform applicants of the decision within 8 days, and in case of rejection, also provide the reasons. An appeal against the rejecting decision of the doctoral committee may be submitted in case of a breach of a provision of law or institutional regulation occurred. The appeal is to be submitted to the rector of the university within 8 working days of the receipt of a decision of rejection. The rector shall make a decision on the appeal within 15 days of its receipt. No further appeal is available against this decision. In case of a positive decision, the admitted applicant shall be informed in the notice of the date of registration, the document necessary for the registration, and the starting date of the academic year. The notice shall also contain information on the costs related to doctoral education and how they are to be paid.

(8) Admitted applicants shall, at the time of registration, sign a declaration to the effect that they have read the doctoral regulation and the requirements of the doctoral school, and that they are therefore aware of their rights and obligations.

(9) In all cases where the costs of the education or the research are paid by the doctoral student, his or her employer, or some other party, the details conditions of the same shall be drawn up in writing.

6. Full-time form of regular doctoral education

(1) The regular, full-time doctoral education programme is designed to help doctoral students in acquiring the knowledge and independent research practice necessary for obtaining the doctoral (PhD) degree. In the interest of the above, doctoral students participate in academic training, obtain research experience under the guidance of their supervisors, and may also undertake teaching duties on assignment.

(2) The length of the full-time programme is eight semesters, which consists of a coursework and research, as well as a research and dissertation stage. In doctoral education the autumn semester lasts from 1 September to 31 January, and the spring semester lasts from 1 February to 31 August. The programmes are organised by the doctoral schools with the coordination of the doctoral committees of the disciplinary areas. The doctoral committees of the disciplinary areas are responsible for making arrangements for announcing the sessions, the administration of the academic affairs and the closing of the semesters after proper examinations.

(3) The studies and the research of a doctoral student is supervised by his or her dissertation supervisor. If properly justified, a doctoral student may request from the head of the doctoral school, **once in the course the entire term of the programme**, the appointment of a new supervisor. (If the supervisor is the head of the doctoral school, the request shall be submitted to the Chairperson of the doctoral committee of the disciplinary area). The head of the doctoral school shall, after obtaining the opinion of the council of the doctoral school, provided that the reasons for the request are found to be justified, forward the request along with a proposal for a new supervisor to the doctoral committee of the disciplinary area, which shall then make a decision to approve or reject the request.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(4) An admitted doctoral student shall register in the manner and by the deadline prescribed by the doctoral committee of the disciplinary area, and shall receive a student identification card. The rapporteur of the disciplinary area shall complete a registry sheet for the registered doctoral student. Each semester, the student shall sign up for the required and/or optional courses from among those offered to fulfil his or her academic and research obligations. Certification of the academic results shall take place in the electronic academic record-keeping system. The performance of the required research shall be certified by the student's supervisor. This certificate shall be a required condition of the successful completion of the semester. Any stipend may only be paid in the subsequent semester on the basis of the successful completion of the semester.

(5) The unit of measurement of academic requirements is the **academic point (credit)**. Credits are used for evaluating the performance of the academic, teaching and research duties of doctoral students in doctoral programmes. Doctoral students shall complete 30±3 credits per semester, and a total of at least 240 credits during the entire education. If a doctoral student fails, for reasons imputable to him or her, to earn the required number of credits in a semester, a decision on the suspension of the payment of scholarship stipends and the transfer of the student into the self-financing programme shall be made by the doctoral committee of the disciplinary area. If the doctoral student fails to make up for his or her missing credits within one year, the doctoral committee of the disciplinary area may decide on the termination of his or her student status.

(6) The doctoral student may earn academic (**course**) **credits** by way of studying and passing examinations. The number of academic (course) credits required to be earned over the course of first 4 semesters of doctoral education is 12 to 20, with the exact number to be determined by the council of the doctoral school in the educational plan of the doctoral school. The council of the doctoral school may determine the required number of academic (course) credits to be earned per semester. The completion of the credits, on the basis of an examination, paper, report, etc. related to the course, shall be certified by the faculty member in charge of the course in the electronic academic record-keeping system. A credit may only be assigned to a course that is evaluated on a five-grade scale. Credits cannot be earned in the doctoral education by way of language courses.

(7) Based on the decision of the council of the doctoral school, **teaching credits** may be given to doctoral students for their teaching activities performed. The total number of credits that may be earned from such activity shall not exceed 40 credits over the course of the 8 semesters. 1 credit: teaching 1-2 hours per week, depending on the nature of the duty, over the course of one semester. The teaching duties and the credits assigned for it shall be entered in the electronic academic record-keeping system. The completion of the duty shall be certified by the head of the organisational unit in charge of the given module of teaching.

(8) The doctoral student shall earn the majority of the 240 credits required in the course of the programme (180-228 credits) as **research credits**. The completion of the credits shall be certified on the basis of the written report submitted by the doctoral student by his or her supervisor in each semester. The reports of the doctoral student shall be sent by the supervisor to the head of the doctoral school after the closing of the semesters.

* On the fulfilment of study obligations:

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Within 30 days of enrolment, the admitted students prepare a 4-year "Training and Research Plan" under the guidance of the supervisor, which is approved by the Doctoral School Council.

Students are informed about the subjects and credit values of the subjects that can be taken in the doctoral school curriculum. On the basis of these, students will prepare an eight-semester curriculum and research grid, which is part of the "Training and Research Plan".

The assessment can be oral or written. The time and method of the examination are determined by the subject teacher.

The formal and content requirements of the training and research plan, the subjects that can be included and their credit values are set out in Annex 3/a for each doctoral school.

(9) The doctoral committee of the disciplinary areas shall make the decision on the transfer of credits earned or other documented performance by the doctoral student at another university or in the course of a study trip abroad –, on the basis of the prior approval of the student's supervisor.

* On the fulfilment of study obligations:

- The doctoral school will present to the admitted students the subjects and credit values of the subjects to be included in the doctoral school's curriculum, on the basis of which the students will prepare a four-semester curriculum grid, which is part of the "Training and Research Plan".

- The assessment can be oral or written. The time and method of the examination are determined by the subject teacher. The head of the doctoral school may, after prior consultation with the subject supervisor, authorise the doctoral candidate to take the examination at another time agreed by the subject supervisor.

- The performance in subject examinations should be assessed with the usual grades of 1-5 and recorded in the electronic system Neptun.

- An unsatisfactory (1) mark may be attempted once per semester. If the student has not fulfilled the requirements of the course, or has failed to appear for the examination, or has not passed the examination, he/she will be required to retake the course. A subject may be retaken once.

- The performance of the research work is assessed by the supervisor in the Neptun system every semester with a grade of 1-5.

The average academic result for the semester is the average of the credit-weighted examination results.

- Doctoral students from other universities may be admitted to the doctoral schools on a case-by-case basis, with the final decision being made by the Doctoral Council for Agricultural Sciences.

The Doctoral Council for Agricultural Sciences, after hearing the doctoral school's council, will dismiss doctoral candidates if they:

- fail to fulfil their study and research obligations
- are expelled from the institution, or were disciplined
- ask for it themselves.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(10) From the period of core medical training and specialised practice completed as a resident participating in higher-level vocational training for healthcare professionals or as a central intern participating in specialised training for the supply of teaching faculty members of higher education institutions, the Doctoral Committee of Medical Sciences may approve the recognition and transfer of maximum two semesters or sixty credits. The conditions of such credit transfer and the procedure of recognition shall be defined by the Doctoral Committee of Medical Sciences in its own rules of procedure.

(11) Students in bachelor's, master's or undivided programmes may also register for courses offered for doctoral students, with the approval of the instructor, but no PhD credit shall be allocated for completing courses offered in bachelor's, master's or undivided programmes.

(12) Doctoral students shall undergo a **mandatory qualification** at the end of the first and the third years, the form of which may vary according to disciplinary area (e.g. progress assessment board, chapter defence, report given before the council of the doctoral school). The council of the doctoral school shall, in the manner and according to the criteria specified in the quality assurance plan of the doctoral school, evaluate the progress made in the doctoral programme, as well as the performance of the doctoral student and the supervisor. The council of the doctoral school shall inform the doctoral committee of the disciplinary area of the result of such periodic evaluation, and if necessary, shall propose the changing of the person of the supervisor or the reclassification of the state-financed doctoral student into a self-financing programme.

(13) In the course of the doctoral education, at the end of the fourth semester, as the conclusion of the coursework and research stage and as the condition of the commencement of the research and dissertation stage, doctoral students shall take a complex examination, which assesses and evaluates their progress in the academic and research fields.

(14) Upon the successful completion of the eight semesters of coursework, the doctoral student is given a pre-degree certificate (absolutorium). The absolutorium is the document evidencing that the doctoral student has completed all academic requirements. The doctoral committee of the disciplinary area may only issue the absolutorium for the doctoral student on the basis of the written approval of the head of the given doctoral school. No absolutorium may be issued to doctoral students who have not acquired the necessary 240 credits. The detailed rules applicable to the issuance of the absolutorium shall be defined by the doctoral committees of the disciplinary areas.

7. The legal status of students in full-time regular doctoral education

(1) Student status is created in doctoral programmes by way of registration, and shall last until the completion of the doctoral studies lasting not more than four years, dismissal from the programme, or the day of expulsion from the institute and/or deletion from the register of students.

(2) The employment law aspects of the student status, including how it is to be treated for the purpose of determining the length of employment, sick leave, guarantees for loans taken out, etc. shall be determined in higher-level provisions of law.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- (3) A doctoral student typically performs his or her duties at the university (or the research institute participating in the work of the doctoral school). An exemption from the above rule may be granted by the doctoral committee of the disciplinary area in individual cases.
- (4) Students participating in doctoral education may undertake teaching duties. Doctoral students performing teaching duties are entitled to the rights of instructors as specified in Section 35 (1) of the National Higher Education Act.
- (5) The content, nature and duration of teaching activities shall be regulated in a contract (doctoral student agreement), which shall be signed by the doctoral student and the head of the organisational unit in charge of the given teaching activity, and countersigned by the supervisor of the student. The head of the organisational unit in charge of the given teaching activity shall certify the performance of the duties undertaken.
- (6) Doctoral students shall be subject to the scope of the university's Intellectual Property Management Regulations, as well as other university regulations as applicable.
- (7) Doctoral students shall be required to keep the business secrets of the university in confidence. Any further legal relationship in which information constituting the business secrets of the university would be used shall be considered to create conflicts of interest.
- (8) Doctoral students are entitled to an annual leave of 25 work days. The dates of the leave shall be recorded by the doctoral student's supervisor.
- (9) Doctoral students who are recipients of state scholarships are entitled to live in a residence hall in all 12 months of the year, with the same conditions otherwise applicable to undergraduate students. The rules applicable to accommodation in residence halls shall be included in the documents titled "Regulations on the operation of the residence halls of the University of Debrecen" and "The regulations applicable to fees payable by and allowances available to the students of University of Debrecen".

8. Forms of support available to and fees payable by doctoral students

(1) Full-time doctoral students in regular doctoral education (as well as foreign doctoral students given the same status as Hungarian students on the basis of a provision of law or international treaty) may receive scholarship stipends from state or other funding. Any planning or organisational unit of the university may use its domestic or foreign grant support, budgetary allocation or other incomes for the payment of stipends to doctoral students. The annual amount of a doctoral student participating in a state-financed, full-time regular doctoral education programme shall be the equivalent of the annual normative financing, plus 56% of the textbook, sports and cultural normative financing. Each month, registered doctoral students shall receive one-twelfths of the annual amount thus determined.

* The doctoral candidate may also receive a scholarship from other sources (foundations, institutions, companies, etc.).

(2) The range of services available to state-financed students free of charge shall be as follows:

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- a) the lectures, seminars, consultations, practical sessions, field practices, reports, examinations necessary for the completion of the educational and academic requirements specified in the curriculum and the obtaining of the diploma and the absolutorium taken for the first time; the re-taking of unsuccessful examinations and reports on one occasion; as well as the degree-conferment procedure, during the existence of student status;
- b) activities in the college for advanced studies;
- c) the use of the various facilities of the higher education institute – library and basic library services, laboratory, IT, sports and recreational facilities – related to free services;
- d) the first issuance of all documents related to the education and the doctoral degree-conferment procedure.

(3) The university may not charge students for any administrative service fee (e.g. registration fee) in the framework of the state-financed education.

(4) In case of erroneous charging of fees, the doctoral student may submit an appeal to the Chairperson of the doctoral committee of the disciplinary area within 15 days of its communication. A decision on such appeal shall be made within 8 days of receipt. The doctoral student may submit a request to the rector for remedy against the decision within 15 working days of its receipt. The rector may uphold, change or quash the decision of the Chairperson of the doctoral committee.

* For doctoral schools covered by the ADT, the assumption of material costs must also be declared.

Full-time, self-financed training is open to doctoral candidates who undertake to cover the costs of the training and research programme and whose training is within the capacity of the doctoral school concerned.

(5) The doctoral student shall receive remuneration for his or her **teaching** activities not constituting part of the doctoral education (i.e. for which no credit is earned), which is to be paid by the given organisational unit of education. The performance of work shall be on the basis of a doctoral student agreement. The working time of such activities shall not, in the average of one academic semester, exceed fifty percent of the hours worked in full-time employment. The work schedule of the student shall be determined in such a way that the student can satisfy his or her obligations to prepare for and take examinations. On the basis of the doctoral student agreement, the doctoral student shall be paid a salary, the monthly amount of which shall not be less, in case of employment corresponding to fifty percent of the hours worked in full-time employment, than the smallest statutory salary to be paid (minimum wage), or its time-proportionate part in case of employment in different hours.

(6) The doctoral student shall receive a remuneration for the performance of any research duty performed (for which no credit is earned), which shall be paid from the given research project or by the organisational unit of education concerned. The performance of work shall be on the basis of a doctoral student agreement. On the basis of the doctoral student agreement, the doctoral student shall be paid a salary, the monthly amount of which shall not be less, in case of employment corresponding to fifty percent of the hours worked in full-time employment, than the smallest statutory salary to be paid (minimum wage), or its time-proportionate part in case of employment in different hours.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(7) In case of living in a residence hall, the doctoral student is required to pay a fee, the amount of which is determined in the document titled “The regulations applicable to fees payable by and allowances available to the students of the University of Debrecen”.

9. Regular doctoral education with funding non-state-funded external scholarships

(1) The university may conclude written contracts with non-governmental, religious and business organisations, as well as with foundations, public foundations, public bodies and private individuals on the establishment of a doctoral scholarship or scholarships.

(2) Such contracts shall be signed by the authorised representative of the entity or person establishing the scholarship and, on behalf of the university, by the rector and the chancellor. In the contract, the university’s obligation undertaken shall be only for the provision of doctoral education, not the conferment of the degree.

(3) A contract may also be concluded on open scholarships (one that can be applied for by anyone) or closed scholarship (specifically offered to a doctoral school or person). In the latter case, the head of the given doctoral school shall also sign the contract.

(4) The contract shall provide for the monthly amount of the stipend (the extent of the annual increase), as well as the schedule according to which the stipend is to be transferred by the entity to the university, and a statement to the effect that the source of the funding shall be available for a period of at least 4 years. The university shall be responsible for the payment of the stipend to the holder of the scholarship.

(5) The contract may include an agreement on the supporting of research, as well as assuming the fees to be paid by the doctoral student.

(6) The contract may not contain any provisions that are contrary to the National Higher Education Act, the Government Decree, and the university regulations.

(7) For the winning of the four-year scholarship, the applicant (candidate) shall satisfy certain requirements prescribed in the valid admissions regulations of the university.

(8) After the successful admission procedure and decision, the doctoral student shall participate in the regular doctoral education, in either full-time or correspondence form, as a self-financing student.

(9) The holder of a doctoral scholarship shall, after registration, have a (doctoral) student status at the university and shall be issued a student identification card. Accordingly, the relevant (doctoral, academic, examination and disciplinary) regulations of the university shall be applicable to such doctoral students as well.

(10) The doctoral student shall pay tuition, the amount of which shall be determined by the council of the doctoral school, and published together with the admission requirements. The amounts received from the tuition shall be used for the doctoral education of the student paying it, with the decision on the actual use made by the council of the doctoral school.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

10. Interruption of the doctoral studies

(1) If the student gives notice of the fact that in the next semester they do not intend to satisfy their academic obligations, or the student fails to register for the next semester, their student status shall be suspended. The total consecutive period for which a student may have suspended status shall not exceed two semesters. The total combined length of time during which a student may have passive status during the doctoral education shall not exceed six semesters.

* The request for interruption of the period of study must be submitted to the Head of the Doctoral School, together with the opinion of the supervisor. The ADT will decide on its acceptance, taking into account the opinion of the Head of the Doctoral School and the subject leader.

(2) A doctoral committee of the disciplinary area may, at the request of the student, approve a longer suspension of the student status than the limit set in section (1) above, provided that the student is unable to satisfy his/her academic obligations due to giving birth, suffering an accident or illness, or some other unexpected reason beyond his/her control. The student status may only be suspended for the entire semester. No stipend from state scholarship may be paid during the suspension of the student status.

(3) The student status shall terminate:

- at the end of the fourth semester, if the doctoral student fails to complete the complex examination;
- on the last day of the semester when the doctoral student received the pre-degree certificate (absolutorium);
- at the end of the 14th semester after the student's admission;
- at the end of the eighth semester of the doctoral programme for which the student registered.

The Chairperson of the committee of the disciplinary area shall send written notice to the person concerned in case of the termination of his or her student status.

(4) The doctoral student may participate in study abroad programmes. Doctoral students may participate in study abroad programmes on the basis of work programmes approved by their supervisors that ensures the validity of the given academic period in the university's doctoral education programme. The duration of the participation in study abroad programmes shall count toward the length of the doctoral education programme, the student's status is not suspended, and the stipend from the state scholarship shall be paid to the student.

11. Correspondence form of regular doctoral education

(1) Employees of the university or persons who can be considered in analogous positions with employees may apply for and be granted admission to the correspondence form of regular doctoral education, while maintaining their employment.

(2) The admission procedure and the decision-making process is the same as in the case of those applying to the full-time form of the programme. The applicant may simultaneously request admission to the full-time and the correspondence form of regular doctoral education.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(3) Students participating in the correspondence form shall be required to complete their semesters in the same time and with the same conditions as those in the full-time form.

(4) Students in the correspondence form shall not receive a stipend, and the doctoral schools shall not receive state funding after them.

(5) Students in the correspondence form shall pay tuition, the amount of which shall be determined by the council of the doctoral schools, and published together with the admission requirements (cf. Appendix 12). The amounts received from the tuition shall be used for the doctoral education of the student paying it, with the decision on the actual use made by the Doctoral Committee of Medical Sciences.

* The participation of correspondence doctoral candidates in study sessions may be regulated on an individual basis. The doctoral candidate may carry out his/her teaching and research work in a full-time position, if the conditions are met. He/she shall take his/her examinations in accordance with the timetable set by the doctoral school.

(6) Students in the correspondence form shall be subject to the scope of the university's Intellectual Property Management Regulations, as well as other university regulations as applicable.

(7) Students in the correspondence form shall be required to keep the business secrets of the university in confidence. Any further legal relationship in which information constituting the business secrets of the university would be used shall be considered to create conflicts of interest.

12. Individual preparation

(1) The purpose of individual preparation is to enable professionals with master's degrees and certificates evidencing their professional qualifications, obtained from a Hungarian and foreign university (or diplomas certifying equivalent, university-level education and qualification), having a significant amount of experience as instructors and/or researchers, as well as documented academic accomplishments (publications of a sufficient number and quality) to obtain the doctoral (PhD) degree. The conditions of admission shall be defined in the rules of operation of the doctoral school. The conferment of doctoral degrees on the basis of individual preparation, as an exceptional procedure, should only be used in particularly justified cases. In the course of the admission procedure, the reasons shall be recorded by the doctoral committees of the disciplinary areas in writing.

* Registration for individual training

Individual training may be applied for by persons with at least 5 years of teaching and/or research experience after obtaining a university degree and who meet the conditions described in paragraph 1. In addition to the documents listed in paragraph 4(4) of the DSz, you must attach a notarised copy of the certificate attesting the fulfilment of the **second** foreign language requirement (no certificate is required if it was obtained at an accredited language examination centre affiliated to the university).

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(2) The doctoral committee of the disciplinary area may set the passing of an admission examination as the condition of accepting the application.

(3) Simultaneously with the acceptance of the application, the doctoral committee of the disciplinary area designates the board and the subjects of the complex examination. After the acceptance of the application, the individually preparing student shall take a complex examination. Upon passing the complex examination, the individually preparing doctoral student shall be given the status of self-financing student, and their doctoral degree conferment procedure shall be started. If the student successfully completes the complex examination, the doctoral committee of the disciplinary area shall recognise the minimum credits defined as the condition of admitting the student to the complex examination. Upon the student's request, on the basis of the knowledge and competences previously acquired, the doctoral committee of the disciplinary area may also recognise additional credits.

(4) The doctoral committee of the disciplinary area shall appoint a supervisor, from among the professionally competent supervisor members of the doctoral school, who shall monitor and assist the candidate in his or her preparation.

(5) Those granted the option of individual preparation are only given an exemption from the academic requirements of the first two years of the doctoral education, but shall otherwise satisfy all requirements of the granting of doctoral (PhD) degrees.

(6) Those preparing individually shall be required to pay a fee, and all incomes from such fee payment shall be used for the purposes of the doctoral education, as provided by the council of the doctoral school. The decision on the amount of the fees to be paid and its use shall be made by the council of the doctoral school. The general rules of the university shall apply to the payment of the fees.

13. The complex examination

(1) The complex examination is an examination to be completed in the course of the doctoral education, at the end of the fourth semester, as the conclusion of the coursework and research stage and as the condition of the commencement of the research and dissertation stage, which assesses and evaluates the student's progress in the academic and research fields.

(2) The condition of admission to the complex examination is that the student has earned at least 90 credits in the "coursework and research stage" of the doctoral education (first four semesters), including all "course credits" prescribed in the educational plan of the doctoral school (with the exception of those preparing individually). Application for the complex examination shall be in writing (see Appendix 4). Since the student enters the degree-conferment procedure upon the completion of the complex examination, application for the complex examination shall also constitute application for the degree-conferment procedure.

* Applicants for the complex examination and for the degree must have a recommendation from the doctoral school's advisory board.

When applying, applicants must submit the following documents:

- completed application form
- documents proving knowledge of two foreign languages

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- subject leader statement(s)

(3) The complex examination is to be taken publicly, before the board designated by the doctoral committee of the disciplinary area. The examination board shall consist of at least three members, and at least one third of them shall be persons who are not in the employment of the institute where the doctoral school operates. The Chairperson of the examination board shall be a faculty member or researcher with the title of full university professor, habilitated university association professor, habilitated college professor, Professor Emeritus *or* doctor of the Academy. All members of the examination board shall have academic degrees. The supervisor of the doctoral student may not be a member of the examination board.

(4) Prior to the complex examination, the supervisor shall evaluate the performance of the doctoral student, and shall make a declaration as to whether he or she recommends that the degree-conferment procedure be started.

(5) The complex examination consists of two main parts: in one part, the examinee's theoretical preparedness is assessed ("theoretical part"), while in the other part, the candidate shall give an account of his or her progress in the field of research ("dissertation part").

(6) In the theoretical part of the complex examination, the doctoral student shall give proof of his or her level of preparation in the literature of the field, as well as his or her knowledge of the most recent theoretical and practical knowledge in the relevant discipline. In the theoretical part of the complex examination, the candidate shall take examinations in at least two subjects/topics; the list of the subjects/topics shall be included in the educational plan of the doctoral school. The theoretical examination may also include a written part.

(7) In the second part of the complex examination, the examinee shall give an account, in the form of a lecture, of his or her knowledge of the relevant literature, reports on his or her research results, discusses the research plan pertaining to the second part of the doctoral programme, as well as the proposed schedule for the completion of the dissertation and the publication of the results. The supervisor shall be given an opportunity to also assess the candidate in the course of the examination.

(8) The examination board shall evaluate the theoretical and the dissertation parts of the examination separately. A written record, including a textual evaluation shall be drawn up of the complex examination (*see Appendix 5/1*). The results of the examination shall be announced on the day of the examination. The complex examination shall be considered as successful if the majority of the members of the examination board evaluated both parts of the examination as successful. The doctoral student may re-take an unsuccessful complex examination once, within the same examination period.

(9) The doctoral student may only register for the fifth semester of the doctoral programme after successfully completing the complex examination.

CHAPTER V

The degree conferment procedure

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

14. The general conditions of the degree conferment procedure

- (1) The degree conferment procedure is the second, research and dissertation stage of the doctoral education programme, after the complex examination.
- (2) The doctoral student is required to apply for the degree conferment procedure simultaneously with the application to the complex examination (see Appendix 4). The application is to be submitted to the doctoral committee of the disciplinary area. The doctoral degree conferment procedure shall commence by registration for the semester following the successful complex examination.
- (3) In the degree conferment procedure, student status may be suspended for a maximum of two semesters.
- (4) The doctoral student is required to submit the final version of the doctoral dissertation (as revised after the preliminary defence) within three years after the complex examination. On the basis of the student's request, this deadline may be extended on the basis of the decision of the doctoral committee of the disciplinary area, by a maximum of one year, in case the student is unable to perform his/her obligations due to giving birth, suffering an accident or illness, or some other unexpected reason beyond his/her control.
- (5) The conditions of receiving the doctoral degree:
 - documented independent academic achievements;
 - proof of the satisfaction of the language requirements;
 - the submission of the dissertation and successful public defence.
- (6) **Obtaining the absolutorium is the condition of the submission of the doctoral dissertation.** At the time of the submission of the doctoral dissertation, the candidate shall declare in writing that
 - the student has no other doctoral degree conferment procedure in progress in the same discipline;
 - the dissertation has not been submitted in another institute previously and has not been rejected;
 - the student did not have an unsuccessful doctoral defence within the past two years;
 - the candidate is not subject to proceedings aimed at the revocation of a doctoral degree, and that a doctoral degree earlier conferred has not been revoked from him or her during the past 5 years;
 - the dissertation is his/her independent, original work, and the references are complete and clear.
- (7) In the composition of the defence boards, special attention shall be paid to avoid any possible conflict of interest. Close relatives of the doctoral students or other person from whom an objective evaluation may not be expected for any other reason shall not be allowed to participate in the doctoral procedure.
- (8) The costs of the degree-conferment procedure and the remuneration of the persons participating in the procedure shall be detailed in Appendix 12 to the regulations.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(9) A written record in accordance with Appendix 10 of Government Decree 87/2015 (IV.9.) shall be drawn up on the individual stages of the doctoral procedure. The data shall be also entered in the electronic academic record-keeping system.

(10) In the course of the degree-conferment procedure, the doctoral committee of the disciplinary area shall act with special caution in determining whether the academic activity attributed to the candidate is in fact his or her own work, and whether the academic work and publications of the candidate submitted in the course of the degree-conferment procedure was used by others for the purpose of receiving an academic degree in Hungary or abroad. In the course of the procedure, the relevant declarations shall be obtained from co-authors in Hungary and abroad.

(11) If any well-founded suspicion of plagiarism, intentional manipulation of data, wilful misleading or any type of fraud should arise in connection with the academic publications or the dissertation of the candidate, the Chairperson of the relevant doctoral committee shall be required to initiate an ethics investigation to be conducted against the candidate in the course of which the potential responsibility of the candidate's supervisor shall also be examined. The degree-conferment procedure shall be suspended for the duration of the ethics investigation. In possession of the results of the ethics investigation, the doctoral committee of the disciplinary area shall decide on possible penalties.

15. Independent academic work

(1) The candidate shall give evidence of his or her academic accomplishments by the time of the submission of the dissertation, by way of at least two publications in a refereed academic journal or volume (accepted for publication or having its DOI number or available in proofs). It is a basic requirement that at least one of these should be written with the decisive contribution of the candidate. A copy of the publications (in original or photocopy) shall be submitted along with the dissertation, and also uploaded to the publications database of the University and National Library of the University of Debrecen. On the basis of the publications uploaded to the database, the library shall prepare and authenticate the candidate's list of publications, which shall then be submitted by the candidate, together with the dissertation, to the doctoral committee of the disciplinary area. The requirements of the given discipline in terms of the place and number of the publications shall be elaborated by the council of the doctoral school, and approved by the doctoral committee of the disciplinary area. The requirements shall be published in the rules of operation of the doctoral school. With justified disciplinary exceptions, publication in international journals is an expectation. Wherever the use of scientometric methods is justified, the results of the same shall also be taken into consideration.

(2) Publications may also have co-authors, including the supervisor of the candidate. If two candidates are authors in a publication, the dissertation supervisor shall make a declaration on the percentage of the given candidate's contribution.

(3) In the evaluation of the acceptable academic publications, the doctoral committee of the disciplinary area shall use the criteria specified in Appendix 6 as guiding.

* The minimum publication requirements adopted by the doctoral school for the award of the degree and for the public discussion are set out in Annex 6.

16. Knowledge of foreign languages

(1) The scope of foreign languages required by the Act on National Higher Education, as necessary for the cultivation of the disciplinary area, shall be determined by the council of the doctoral school. The knowledge of one of these languages may be prescribed as mandatory. The Rules of Operation of the doctoral school contains the language requirements of the doctoral degree-conferment procedure, the list of the acceptable languages, and the way in which language skills may be certified. The Rules of Operation may also stipulate the knowledge of which foreign language the doctoral school considers as indispensable for working in their disciplinary area, and therefore, necessary for the conferment of the doctoral degree.

(2) The language requirements of conferment of the doctoral degree:

- In one language (the “(a) language”) a state-recognised, at least intermediate level (corresponding to level B2 of the Common European Framework of Reference for Languages of the Council of Europe), complex (certifying both oral and written skills, earlier called “C”-type) or equivalent nostrified language examination, or a degree in a language programme, or a specialised translator’s certificate, or an absolutorium obtained in the foreign language doctoral education of the university. However, applicants with disabilities may be exempt from taking the language examination or a part of the language examination, depending on the type of disability specified in the specialist authority opinion. The decision on exemption shall be given by the doctoral committee of the disciplinary area on the basis of a request supported with specialist authority opinion.

- The requirements in the other language (the “(b) language”) shall be determined by the doctoral rules of the doctoral committee of the disciplinary areas and of the doctoral schools.

* The foreign languages accepted by the doctoral school are listed in Annex 6/a.

(3) In case of Hungarian candidates from countries outside of Hungary, the language of their country of origin may be accepted as the (b) language.

(4) If the candidate’s native language is not Hungarian, it shall be accepted as fulfilling the given level of language requirement.

17. The dissertation

(1) The **dissertation** is a work in Hungarian or a foreign language as justified by the needs of the profession summarising the objectives, new academic results, familiarity with the relevant literature, and the research methods of the candidate.

(2) On the title page of the dissertation, the author, the title of the dissertation, the name of the supervisor, as well as the place and date of writing shall be indicated. In the preliminary pages of the dissertation, space shall be set aside for entering the names of the opponents and the defence board, as well as the date of the defence (Appendix 7). The dissertation shall have a table of contents, a summary in Hungarian and English, as well as a bibliography. The latter shall also include the academic publications of the candidate. The dissertation may have an appendix (e.g. photographs, documents, etc.).

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(3) The dissertation shall be submitted in the form and in the number of copies as specified by the doctoral committee of the disciplinary area, and also electronically to the doctoral committee of the disciplinary area.

(4) The theses of the dissertation shall also be enclosed with the dissertation, in the number of copies specified by the doctoral committee of the disciplinary area. The **doctoral theses** is a summary work prepared for the academic public in which the candidate describes his or her academic results on the basis of which, in the degree conferment procedure, he or she can give proof of preparation for receiving the academic degree. The doctoral theses shall be prepared in Hungarian and English (or other languages, in line with the characteristics of the given discipline and approved by the doctoral committee of the disciplinary area). The doctoral theses shall be printed and bound in A5 booklet format. Its title page shall indicate the name of the candidate, the name of the dissertation supervisor, the name and logo of the university, the name of the doctoral school, as well as the place and year of its preparation (see Appendix 8). It shall contain the list of publications and conference papers, which have been used as sources for the dissertation or that are otherwise related. The candidate shall provide for the preparation of the theses in Hungarian and English (or other languages in line with the specific requirements of the given discipline and approved by the doctoral committee of the disciplinary area), also in an electronic format, which shall be submitted at the time of the submission of the dissertation.

(5) Before finalising the dissertation, it shall be submitted to a preliminary defence in accordance with the quality assurance plan of the doctoral school. The preliminary defence shall be organised by the council of the doctoral school. A written record of the preliminary defence shall be drawn up. The Chairperson and the members of the defence board of the preliminary defence shall be appointed by the council of the doctoral school. The defence board shall consist of at least three members, and its members shall be the Chairperson, two opponents and further members in accordance with the Operational Order of the doctoral school. All members of the board shall have academic degrees. The Chairperson of the board shall be an accredited core member of one of the doctoral schools operating in the competent disciplinary area of the university, preferably a member of the council of the concerned doctoral school. At least one-third of the members of the board shall not be faculty members of the concerned doctoral school. Before evaluation, the secretary of the doctoral school shall send the dissertation submitted for preliminary defence to the University and National Library for screening for duplicate text. The library shall prepare the document containing the result of screening within 3 business days, and the secretary of the doctoral school shall forward it to the opponents. In their report the opponents shall declare that on the basis of the available data the dissertation meets the requirements of publication ethics. The preliminary defence may be conducted even if the opponent(s) raise an academic ethical objection, and the potential corrections to the final dissertation can be made without penalty. If the opponent of the preliminary defence has raised an academic ethical objection, the doctoral committee of the disciplinary area shall be notified of the objection at the submission of the final dissertation. In such cases the text of the final dissertation shall undergo a repeated screening for duplicate text, and the result of the screening shall be sent to the official opponents.

**The workplace discussion of the thesis is organised by the Doctoral School Council. It may be organised at the request of the applicant and on the proposal of the supervisor. It is responsible for inviting the committee approved by the ADT, arranging and appointing the date, and sending out the invitations. Arrange for the location, conduct and recording of the workplace discussion. The attendance list and minutes must be forwarded to the ADT.*

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

At least 5 copies of the thesis (spiral-bound), 5-5 copies of the thesis in Hungarian and English, and the original or photocopies of any publications on the subject of the thesis must be submitted to the doctoral school. In the light of these, the head of the doctoral school must state whether the preliminary discussion can be held. The preliminary discussion must be attended by at least five experts with academic degrees in addition to the members of the committee. The doctoral candidate must provide a written response to the reviews within 15 days of their return. The workplace discussion must be announced by the doctoral school at least 2 weeks before the date of the discussion, which will be arranged by the DS administrator. The thesis, the thesis booklets, the reviews and the written replies to the critiques must be sent to the committee members by that date.

The composition of the workplace discussion committee should be the same as the composition of the ADT-approved evaluation committee. A successful workplace discussion requires the participation of a sufficient number of committee members (at least the chair or vice-chair, both opponents and the secretary) and the successful conduct of the workplace discussion.

(6) The further formal requirements and length of the dissertation and the theses shall be determined by the doctoral committee of the disciplinary area.

For the public discussion, the thesis must be submitted in 5 copies (6 copies for two referees) in black hardback A/4 format (with caption in gilt letters). One copy shall be deposited in the DEENK (University and National Library of the University of Debrecen), one copy in the department of the doctoral school, one copy to the head of the doctoral school, one copy to the supervisor(s) and one copy to the candidate. The formal requirements for the preparation of the doctoral thesis for the ADT doctoral schools are set out in Annexes 6/b, 7/a.

*The thesis must be submitted in Hungarian (or the language in which the defence will be conducted) and in English in 15-15 copies.

Before submitting the theses and dissertations in final form, the doctoral candidate must have the Supervisor(s), the Head of the Doctoral School and the Chair of the Doctoral Council for Agricultural Sciences sign the Certification Form (Annex 15), certifying that the thesis and dissertations comply with the DSz., the ADT Regulations and the requirements of the doctoral school.

At least three weeks before the scheduled defence, the candidate must submit to the PhD Office the corresponding number of theses, 2-2 copies of the opponent's opinion with original signature, 2-2 copies of the original signed replies, 2 copies of the thesis booklets (15 copies in Hungarian and 15 copies in English), the CV and 2 copies of the 5 most important publications, stapled together.

At its meeting on 23 January 2018, the ADT decided that no institutional discussion or major defence could be held within 6 weeks of the thesis being sent to the referees.

The Doctoral School's proposal for the criteria for the evaluation of the thesis (Annex 14).

At least four weeks before the scheduled defence, the candidate must provide the doctoral school secretary with the dissertation, thesis booklets, keywords and the abstract in English and Hungarian in the format specified by the doctoral school.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(7) After the submission of the dissertation, the theses and the publications in the subject of the dissertation, the doctoral committee of the disciplinary area shall make a decision as to whether the dissertation may be submitted to the public defence. The decision shall be recorded on the registry sheet of the candidate. With attention to the recommendation of the council of the doctoral school, the doctoral committee of the disciplinary area shall appoint the defence board and the official opponents. The official opponents shall declare within 15 days of the receipt of the request whether or not they undertake the duty, without the need to give reasons for their decision.

(8) The candidate shall upload the doctoral dissertation and the theses in electronic form to the archive of the University and National Library before the announcement of the doctoral defence. After the successful defence, the University and National Library shall provide for ensuring public access to the entire doctoral dissertation and the theses, as well as its accessibility in the Hungarian National Scientific Bibliography (MTMT).

(9) In case of doctoral dissertation that have connections with patents or other protected intellectual property, the provision of public access to the doctoral dissertation and the theses may be postponed at the request of the candidate, on the basis of the supporting opinion of the defence board and the approval of the doctoral committee of the disciplinary area, until the date of registration of the patent or other IP protection, at the latest. Public access to doctoral dissertations and doctoral theses containing classified data from a national security point of view shall be provided until the expiry of such classification.

18. The dissertation evaluation and the public defence

(1) The doctoral dissertation shall be defended in a public defence held before the defence board. The language of the defence shall be Hungarian, or in justified cases any other world language. The defence shall be announced publicly, at least two weeks before the date of the defence on the website of the National Doctoral Committee, the university and the doctoral school, by way of providing access to the text of the dissertation and the theses. At the request of the candidate, a closed defence may also be held, provided that the doctoral dissertation contains data involved in a patent procedure or classified from a national security point of view. The request for holding a closed defence shall be submitted to the Chairperson of the doctoral committee of the disciplinary area. The decision on the approval of the application shall be made by the doctoral committee of the disciplinary area, on the basis of the supporting opinion of the defence board.

(2) The chairperson and the members (as well as backup members) of the **defence board** shall be appointed by the doctoral committee of the disciplinary area. The defence board shall consist of the chairperson, the official opponents and two to four additional members. The chairperson of the board may be a full professor or professor emeritus of the university having the necessary professional competence, and each member of the board shall have an academic degree. At least one-third of the members of the board, and within that at least one of the opponents shall be an external member not in the employment of the university (a professor emeritus or retired faculty member of the university shall not qualify as external members). The opponent rejecting the dissertation shall be also a member of the board (cf. section (3) below). The supervisor of the candidate, as well as any person who is a co-author of the publication(s) serving as the basis of the dissertation may not be a member of the board. The candidate may submit a written complaint to the doctoral committee of the disciplinary area

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

against the composition of the defence board within 8 days, only on the basis of alleged bias or conflict of interest.

*The Council of the Doctoral School proposes to the ADT a 5-member evaluation committee: chair (internal member), secretary (internal member), member (internal or external member), two opponents (internal or external member). 1/3 of the members of the evaluation committee must be external experts. For each task, a reserve expert may be appointed (substitute chairperson, substitute opponent, reserve member) to ensure that the examination can proceed smoothly even if they are unable to attend. The ADT will approve the marking and complex examination committee.

(3) The two opponents shall, at the request of the doctoral committee, within two months after the submission of the dissertation during the normal academic year, prepare a written opponents' **report** of the dissertation, and declare whether they support its submission for a public defence. The dissertation may only be submitted to the public defence in case of two supporting opponents. If the opinion of one of the opponents is negative, the doctoral committee of the disciplinary area shall also request the opinion of a third opponent. In case of two negative opinions, the degree-conferment procedure shall be considered as unsuccessful, and the doctoral committee of the disciplinary area shall end the procedure. The dissertation shall be put to the public defence within two months after the availability of the two supporting opponents' reports, during the normal academic year.

In the opponents' reports, the positive and negative features of the dissertation in terms of content and form shall be detailed, with special attention as to whether the new academic results discussed by the candidate in the theses are acceptable or not. In case the dissertation underwent screening for duplicate text (cf. 17 section (5)), the opponents shall declare that on the basis of the available data the dissertation meets the requirements of publication ethics. The opponents shall declare as to whether they recommend that the dissertation be approved and – in case it is successfully defended – the PhD degree is conferred to the candidate. In the reports, questions may also be directed to the candidate. The opponents' reports shall be sent in 3 signed copies to the doctoral committee of the disciplinary area.

(4) The candidate shall receive the opponents' reports in advance, and shall send his or her written answers to the questions raised in them to the doctoral committee of the disciplinary area that organises the defence at least 15 days before the public defence. The doctoral committee of the disciplinary area shall ensure that the members of the defence board have access to inspect the dissertation, the opponents' reports and the answers.

(5) The public defence is chaired by the chairperson of the defence board. At the beginning of the defence, the chairperson examines if there is quorum. The defence may be conducted if at least one of the opponents is present, and the other opponent has stated in writing that he or she accepts the answers received to his or her questions; and further, if at least two-thirds of all members of the defence board are present, including at least one external member. If there is quorum, the supervisor (or, in the absence of the supervisor, the person invited by the chairperson) shall present the academic achievements of the candidate.

(6) In the framework of the public defence, the candidate may discuss the theses of his or her dissertation in the form of a free presentation, and then shall answer the questions raised by the opponents in writing, as well as any questions of the members of the board, opponents, and others present.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(7) After the closing of the defence, the board shall make a decision behind closed doors, by way of a ballot, on the doctoral dissertation and the independent academic accomplishments of the candidate, as well as his or her performance at the doctoral defence. All voting members of the board shall evaluate the dissertation and the academic accomplishment, and with a separate grade the performance given by the candidate at the defence, on a four-degree scale (summa cum laude, cum laude, rite, did not pass). The board shall adopt separate resolutions in both categories, and the result shall be determined on the basis of the votes of the members of the board, in accordance with Appendix 13. The chairperson of the board shall openly announce and justify the result of the public defence after the voting.

(8) A written record shall be drawn up of the public defence (*see Appendix 5/2*). The written record shall be public, and in case of a written request, the doctoral committee of the disciplinary area may issue a copy of it. The resolutions of the defence board, along with the reasons, shall be recorded on the registry sheet of the candidate. At the request of the candidate, the Chairperson of the doctoral committee of the disciplinary area may issue a certificate of the result of the public defence.

(9) Within 30 days of the successful doctoral defence, the doctoral committee of the disciplinary area shall make available to the University and National Library a printed copy of the dissertation. The University and National Library shall provide for the catalogued placement of the dissertation in the library's holdings.

(10) In case of a closed defence, the chairperson of the defence board shall, after obtaining the opinion of the candidate, decide on who – in addition to the candidate and the members of the defence board – may participate at the defence. All participants shall sign a confidentiality undertaking, which shall be attached to the written record of the defence. The procedure of the defence held behind closed doors, but the decision-making process shall be otherwise identical as in the case of a public defence, as described in sections (2) to (7). The written record of the closed defence shall not be publicly available, and no copy may be issued of it. A copy of a dissertation defended in a closed defence shall also be made available to the University and National Library, but the necessary measures shall be taken to maintain the confidentiality of the dissertation.

(11) In case of two negative opponents' reports or unsuccessful defences, a new defence procedure may only be initiated after not less than two years, and only once in the same doctoral topic. The amount of the procedural fee to be paid in case of initiating a new defence procedure shall be determined by the doctoral committee of the disciplinary area.

**The President of the EDHT, the members of the ADT and the persons on the protocol list of the doctoral school should be invited to the public discussion. The invitation must be accompanied by the thesis in Hungarian and English.*

In closed session before the public discussion

- the chairman of the evaluation committee establishes the quorum of the committee*
- the reviewers present their opinions - also in writing*
- the secretary shall present any other written comments received*
- after the meeting, the president summarises the issues to be raised or clarified in the public discussion, which the secretary records*

The public discussion

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- the president opens the discussion, introduces the panel
- the secretary presents the candidate's scientific curriculum vitae
- in a free presentation of 25-30 minutes, the candidate presents the objectives of his/her thesis, the research methods and the new results of his/her research
- the official reviewers read out their review
- the candidate reads out his/her response to the reviews
- the secretary presents the questions raised by the members of the Review Committee and other written questions received
- the participants in the discussion ask the candidate questions or make comments on the discussion
- the candidate answers questions and comments

In a closed meeting, the secretary shall present the proposal for the minutes of the meeting and the president shall order a secret ballot.

19. Digital (online or hybrid) public defence

(1) The public defence may only be conducted in an online form in cases when the national/central and/or university provisions do not allow the participants of the defence to be present in the traditional (in-person) form. The online attendance of the candidate can only be accepted in exceptional duly justified cases, when his/her personal attendance is permanently hindered. In justified cases, with the approval of the doctoral committee, the defence may also be organized in such a way that one or more members of the defence board participate online in the defence conducted in the traditional (in-person) form (hybrid defence).

(2) A public defence may only be organised in an online or a hybrid form if the candidate submits an explicit and justified request thereof, supported by the head of the doctoral school, and the Doctoral Committee of the disciplinary area consents to the online or the hybrid form. The Chairperson of the Doctoral Committee of the disciplinary area shall provide reasons if the Committee does not consent to conducting the public defence in an online or a hybrid form.

(3) It shall be ensured that the candidate, the official opponents and an appropriate number of defence board members (see section (4) below) attend the online defence with audio and video for each party. In addition, the conditions for ballot secrecy shall also be ensured. Furthermore, all the participants of the defence shall be granted the opportunity to comment.

(4) A public defence may only be organised in an online or a hybrid form if the technical conditions are met both by the candidate, and all the official opponents and defence board members, observing the provisions detailed in Section 18 (5) for defences conducted in person. (The defence may be conducted if at least one of the opponents is present at least in an online form, and the non-attending opponent has stated in writing that he or she accepts the answers received to his or her questions; and further, if at least two-thirds of all members of the defence board are present at least in an online form, including at least one external member.)

(5) Persons wanting to participate online as guests at the online or hybrid public defence shall register in advance for the given defence in an electronic form created for that purpose. Anyone wishing to make a comment on the doctoral thesis may submit his/or signed remarks

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

to the secretary of the Doctoral Committee of the disciplinary area by 12.00 noon the day before the defence. The comments shall be forwarded by the secretary of the Committee to the Chairperson of the defence board.

(6) At the request of the participants of the defence a preliminary technical trial session may be held in advance to look into the operation of the system.

(7) The camera of the candidate and the members of the evaluation board shall be kept on throughout the defence, their continuous attendance is required. If the digital public defence is interrupted due to a technical problem, and the Internet connection cannot be re-established for each and every participant whose presence is required (candidate, defence board, official opponents), the public defence shall be re-taken.

(8) If the Internet connection of one of the participants whose attendance is mandatory is interrupted during the defence, but the connection can be re-established later, the defence may be resumed from the point of interruption. The trial for re-establishing the Internet connection may last up to 10 minutes. If the connection with one single participant cannot be re-established, but there is still a quorum, the defence may be resumed. The defence board member forced to leave the defence cannot take part in voting. If the concerned person is the secretary (the person drawing up the minutes of the defence), the chairperson shall invite another member of the defence board to keep the minutes. If it is the candidate whose internet connection cannot be re-established, the defence shall be postponed and another date shall be set.

20. The closing of the degree conferment procedure, the qualification of the doctoral degree, the content of the doctoral diploma, and the conferment ceremony

(1) The doctoral committee of the disciplinary area shall, on the basis of the reports of the defence board, as well as the qualifications received, make a recommendation to the Doctoral and Habilitation Council of the University on the conferment of the doctoral (PhD) degree and its qualification, by simultaneously also sending to them the entire documentation (copy of the university diploma, copies of documents certifying language skills, list of publications by the candidate, the official opponents' reports and the candidate's responses, the written record of the defence, and the resolution by the doctoral committee of the disciplinary area). The doctoral degree-conferment procedure shall conclude with the decision of the Doctoral and Habilitation Council of the University. The Doctoral and Habilitation Council of the University adopts a resolution on the conferment of the degree, which shall also be recorded on the candidate's registry sheet.

(2) The degree conferment procedure shall be successful if the defence board found the candidate's dissertation, independent academic accomplishments and performance given at the defence satisfactory.

(3) The qualification of the doctoral (PhD) degree is determined by the qualifications of a) the dissertation, b) the independent academic accomplishments, and c) the defence. The overall qualification of the degree shall be summa cum laude if all three qualifications were summa cum laude; rite if at least two of the three were rite; and cum laude in all other cases.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

(4) The Student Administration Centre shall issue the doctoral diploma within 30 days of the resolution of the Doctoral and Habilitation Council of the University, and the Scientific Directorate shall provide an official copy of the same if requested. The date of the diploma shall be the date of the resolution of the Doctoral and Habilitation Council of the University, and holders of the doctoral (PhD) degree may use their title of Dr. (PhD) from that date. The printed diploma form issued by the Hungarian Education Authority bears a unique serial number; it is a paper based security document consisting of two A4 sheets: one to be filled in in Hungarian, the other one in a foreign language.

(5) The diploma shall be a public document bearing the coat of arms of Hungary, which shall show the name, the institutional identifier and an imprint of the seal of the University of Debrecen, the serial number of the diploma, the name of the holder of the diploma, his or her birth name, place and date of birth, the qualification of the doctoral degree, the disciplinary area and the discipline, as well as the place and date when the degree was conferred. The diploma may only be issued in one discipline. Along with the name of the discipline, if requested, the name of the doctoral school and/or the doctoral program from which the candidate received the degree may also be indicated. The diploma shall be signed by the rector and the Chairperson of the Doctoral and Habilitation Council of the University (Appendix 9).

(6) The university shall issue the diploma in Hungarian and English.

(7) The conferment of doctoral degrees shall take place in the framework of an official ceremony. In the framework of the conferment of the degrees, the candidates shall take an oath. The words of the oath are included in Appendix 10.

21. Earning a doctoral degree with high distinction

(1) With the prior consent of the President of the Republic, the university shall confer the doctorate with the high distinction of *Promotio sub auspiciis Praesidentis Rei Publicae* to those who completed their secondary school, university and doctoral studies with outstanding results.

(2) The candidate concerned may initiate the conferment of the doctoral degree with high distinction in a written application submitted to the Chairperson of the Doctoral and Habilitation Council of the University. Such application shall be accompanied by certified copies of all documents evidencing that the candidate has satisfied the requirements of Section 18 of Government Decree 387/2012 (XII.19.). On the recommendation of the Doctoral and Habilitation Council of the University, the Senate shall decide whether it supports the application.

22. The nostrification of academic degrees earned abroad

(1) The University shall nostrify an academic degree conferred abroad as a doctoral (PhD) degree, if

- a) it was issued by an educational institution in a foreign state that, on the basis of the laws of that state, has the right to issue academic degrees;

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

- b) the requirements of the obtaining of the academic degree correspond or, by prescribing certain additional conditions, can be rendered corresponding to the requirements imposed by the relevant provisions of law and the doctoral regulations of the university for the obtaining of the doctoral (PhD) degree.
- (2) The university may only nostrify an academic degree issued by a foreign university in disciplinary areas and within that in disciplines in which it is entitled to conduct doctoral education and to confer doctoral degrees (see Appendix 1).
- (3) The university may impose certain conditions on the nostrification of the academic degree conferred abroad, concerning which the doctoral committee of the disciplinary area shall make a decision based on the recommendation of the competent doctoral school. The additional conditions of the nostrification decision shall be stipulated by the doctoral committee of the disciplinary area in an interlocutory order.
- (4) The applicant shall include the following with his or her application for the starting of the procedure, to be submitted to the doctoral committee of the disciplinary area (see Appendix 11):
- a) the certified copy of the original certificate or diploma or, in exceptional cases, a certified copy of a document that is equivalent to the original diploma (e.g. duplicate);
 - b) the certified copy of a document issued by the educational institute abroad (e.g. academic record book, official transcript), which proves the length of the studies completed and the successful performance of the requirements prescribed for the conferment of the diploma (courses completed, examinations, doctoral dissertation, etc.);
 - c) the certified Hungarian translations of the documents indicated in sections a) and b) above, and
 - d) proof that the applicant has paid the procedural fee stipulated in section (6).
- (5) For the purposes of this section, a certified copy shall be a copy considered as certified by virtue of a provision of law, as well as copies prepared by the university from the original document and certified as such. The university may call upon the applicant to present the originals of the documents mentioned in sections (4) a) and b) above. The doctoral committee of the disciplinary area may specify that the above mentioned documents may also be submitted in non-certified translations in certain languages.
- (6) As the fee for the nostrification procedure, the applicant shall pay as prescribed by the relevant law.
- (7) The approval or rejection of the nostrification request shall be made by the Doctoral and Habilitation Council of the University on the basis of the proposal submitted by the competent doctoral school and the recommendation of the doctoral committee of the disciplinary area.
- (8) In its decision on the nostrification of the academic degree, the University shall declare that the scope of the certificate issued abroad corresponds with the scope of the doctoral (PhD) diploma issued by the University (nostrify the document), and shall authorise the applicant to use the title of doctor. The decision shall be signed by the Rector and the Chairperson of the Doctoral and Habilitation Council of the University.

CHAPTER VI

Miscellaneous provisions

23. The revocation of a doctoral degree

(1) If a doctoral degree was conferred in such a way that its holder had presented another person's intellectual work as partly or wholly his or her own, or used fabricated or falsified data in the dissertation, and thereby misled or kept in error the body or person acting in the matters of the doctoral procedure, the degree may be revoked. A procedure aimed at the revocation of the doctoral degree may be conducted if the holder of the title is still alive at the time when the procedure is started.

(2) A procedure aimed at the revocation of a doctoral degree may be initiated by anyone with the Chairperson of the Doctoral and Habilitation Council of the University, if they are able to prove or establish the reasonable likelihood of the situation described in section (1) above.

(3) The decision on the revocation of the doctoral degree shall be made by the Doctoral and Habilitation Council of the University. The Chairperson of the Doctoral and Habilitation Council of the University shall request a resolution to be adopted by the doctoral committee of the disciplinary area competent on the basis of the discipline of the doctoral degree whether the situation described in section (1) can in fact be established concerning the holder of the degree. In a procedure launched for the revocation of a doctoral degree, an expert or experts may be retained, and the holder of the degree concerned must also be given a hearing. If the holder of the degree does not appear despite being summoned to a hearing on multiple occasions, or requests that the procedure be conducted without a hearing where he or she is present, the Doctoral and Habilitation Council may also adopt a decision on the issue concerned without holding a hearing.

(4) If, in a procedure launched at the initiative of the original author, a final court ruling has already established the breach of copyright prior to the launching of the procedure, the Doctoral and Habilitation Council of the University need not conduct the investigation in this question, and the final court ruling is sufficient grounds for the revocation of the degree.

(5) At the meeting of the Doctoral and Habilitation Council of the University, the entity submitting the proposal for the revocation of the doctoral degree shall be the Chairperson of the Doctoral and Habilitation Council of the University. The Chairperson of the Doctoral and Habilitation Council of the University shall notify the revocation of the doctoral degree to its holder in writing, and shall call upon him or her to return his or her diploma. An appeal against the resolution revoking the degree may be submitted within 8 working days of the receipt of the resolution, which is to be submitted to the rector of the university in writing. The rector shall make a decision on the appeal within 15 days of its receipt.

(6) The doctoral degree revoked by the Doctoral and Habilitation Council of the University may not be received back through another procedure either.

(7) The University shall publish the final resolution of revocation.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

23. The doctor honoris causa title

(1) The University may confer the title of honorary doctorate (*doctor honoris causa*) to Hungarian and foreign individuals worthy of such recognition. The honorary doctorate may be earned with academic work of international recognition and through activities performed in the interest of the University.

(2) A proposal for the conferment of an honorary doctorate may be submitted by senior faculty members or by organisational units of education. The decision on the proposal shall be made by the Senate, after prior consultation and scheduling with the rector and the competent dean, and then obtaining the opinion of the Faculty Council and the Doctoral and Habilitation Council of the University. The honorary doctorate may generally be conferred to 6 persons per year and up to 3 persons at a time. A derogation from the above is possible, in case of proposals submitted out of the interests of the University, on the basis of the decision of the rector.

(3) Proposals by the individual faculties and independent institutes may be submitted in proportion to the number of qualified instructors and researchers. The details of the above shall be determined by the Doctoral and Habilitation Council of the University. Proposals submitted out of the interests of the University shall not influence the possibilities at the disposal of the individual faculties, even if the proposal is submitted from a professional standpoint by one of the faculties.

(4) The diploma of the honorary doctorate shall be issued in Latin. At the request of the conferee, the diploma shall also be issued in Hungarian or a world language as requested by the recipient. The personalised text of the invitation and the diploma shall be approved by the rector. The diploma shall be signed by the rector, the Chairperson of the Doctoral and Habilitation Council of the University, and the dean of the faculty submitting the proposal.

(5) The title of honorary doctor may be conferred at a ceremonial, publicly held session of the council where doctoral degrees are otherwise conferred, or in exceptional cases at other ceremonious events of the University.

(6) The recipient shall receive the gown of the university decorated with the emblem of the faculty proposing the conferment of the honorary doctorate.

(7) The title of honorary doctor may be revoked if:

- the recipient was banned from public affairs by a final judgement of the court;
- the recipient has committed a material breach of the norms of academic ethics, his or her obligations toward the University, or has otherwise become unworthy of the title. The decision on the revocation of the title shall be made by the Senate after obtaining the opinion of the Doctoral and Habilitation Council of the University.

25. The doctoral regulations

(1) The doctoral regulations of the university shall be subject to approval by the Senate.

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

26. The fees for procedures and the remuneration of persons participating in them

(1) The fees to be paid in the course of the doctoral education and the degree-conferment procedure, as well as the remuneration of the persons participating in the various procedures shall be specified in Appendix 12.

27. Legal remedies

(1) Doctoral students and candidates applying for doctoral education and degree conferment procedure may submit an appeal, by keeping the proper order of levels, to the Chairperson of the committee of the doctoral school, the Chairperson of the doctoral committee of the disciplinary area, the Chairperson of the Doctoral and Habilitation Council of the University, and the rector.

28. Implementing and transitional provisions

(1) The Doctoral Regulations of the University were adopted by the Senate on 23 September 2021 by way of resolution no. 11/2021. (IX. 23.). The Doctoral Regulations of the University were modified by the Senate on 27 January 2022; the changes have been introduced in the text of the regulations.

(2) In case of students whose doctoral education commenced before 1 September 2016, as well as candidates whose degree conferment procedure started before that date, the provisions of the Doctoral Regulations of the University of Debrecen (Appendix 26/A to the Rules of Operation and Organisation of the University of Debrecen) shall be applied for the entire period of the doctoral education and the degree conferment procedure.

Debrecen, 27. January, 2022.

Prof. Zoltán Szilvássy, Rector

Appendixes

Doctoral councils of disciplinary areas, doctoral schools and doctoral programmes

Doctoral Council of AGRICULTURAL SCIENCES

Doctoral School of **Animal Husbandry**

Doctoral programmes:

- Production of animal products
- Nutrition, fish biology
- Reproductive biology
- Genomics
- Animal genetics – Gene conservation, Animal ecology

Kálmán Kerpely Doctoral School

Discipline: **crop production and horticultural sciences**

Doctoral programmes:

- Horticultural sciences
- Crop production sciences

Doctoral School of Nutrition and Food Sciences

Discipline: **food sciences**

Doctoral programme:

- Food sciences

The doctoral school's doctoral programme of Nutrition Sciences operating in the disciplinary area of health sciences belongs to the Doctoral Committee of Medical Sciences.

Doctoral Council of HUMANITIES

Doctoral School of Humanities

Disciplines:

- **philosophy**
- **pedagogy**
- **psychology**
- **sociology**

Doctoral programmes:

- Philosophy
- Pedagogy
- Psychology
- Sociology and social policy

Doctoral School of Literature and Cultural Studies

discipline: **literary and cultural studies**

Doctoral programmes:

- Hungarian and comparative literature

- English and North American literature

Doctoral School of **Linguistics**

Doctoral programmes:

- General and applied linguistics
- Hungarian and Finno-Ugric linguistics

Doctoral School of History and Ethnography

Disciplines:

- **history**
- **ethnography and cultural anthropology**

Doctoral programmes:

- History
- Ethnography

Doctoral Council of **MEDICAL SCIENCES**

Doctoral School of **Molecular Medicine**

Doctoral programmes:

- The cellular and molecular biology of signal transduction
- Questions and investigative methods of bio-physics
- Physiology and neurobiology

Kálmán Laki Doctoral School

Disciplines:

- **molecular medicine**
- **clinical medicine**

Doctoral programmes:

- Thrombosis, haemostatis, vascular biology
- Haematology
- Cardiovascular diseases

Doctoral School of **Clinical Medicine**

Doctoral programmes:

- Locomotor disorders
- Conservative medicine and clinical studies
- Experimental and operative medicine

Doctoral School of **Health Sciences**

Doctoral programmes:

- Preventive medicine and public health
- The prevention and control of metabolic and endocrine diseases

Doctoral School of **Pharmaceutical Sciences**

Doctoral programmes:

- Microbiology
- Pharmacology

Doctoral School of Molecular Cell and Immune Biology

Discipline: **molecular medicine**

Doctoral School of Neurosciences

Disciplines:

- **molecular medicine**
- **clinical medicine**

Gyula Petrányi Doctoral School of Clinical Immunology and Allergology

Discipline: **clinical medicine**

Doctoral School of Dental Sciences

Discipline: **clinical medicine**

Doctoral School of Nutrition and Food Sciences

discipline: **health sciences**

Doctoral programme:

- Nutrition science

The doctoral school's doctoral programme of Food Sciences operating in the disciplinary area of food sciences belongs to the Doctoral Committee of Agricultural Sciences.

Doctoral Council of SOCIAL SCIENCES

Géza Marton Doctoral School of **Legal and Political Sciences**

Doctoral program:

- Changes of state and law in Central and Eastern Europe

Károly Ihrig Doctoral School of **Management and Business**

Doctoral Council of NATURAL AND COMPUTATIONAL SCIENCES

Doctoral School of **Mathematical and Computational Sciences**

Doctoral programmes:

- Didactics – the teaching of mathematics
- Differential geometry and its applications
- Diophantine and constructive number theory
- Explicit methods in algebraic number theory
- Functional analysis
- Ring theory: group algebras and unit groups
- Mathematical analysis, functional equations and disparities
- Computational science and its applications

- Probability theory, mathematical statistics and applied mathematics

Doctoral School of **Information Science and Technology**

Doctoral programmes:

- Data processing and visualisation
- Theoretical basis and applications of the information technology and the stochastic systems
- Theoretical computer science, data security and cryptography
- Information technology systems and networks with industrial applications
- Applied IT and its theoretical background

Doctoral School of **Physics**

Doctoral programmes:

- Atomic and molecular physics
- Nuclear physics
- Solid-state physics and material science
- Physical methods employed in interdisciplinary applications
- Particle physics

Doctoral School of **Chemistry**

Doctoral programmes:

- Chemical kinetics and catalysis
- Coordination and analytical chemistry
- Macromolecular and surface chemistry
- Chemistry and chemical biology of carbohydrates and heterocycles

Doctoral School of **Earth Sciences**

Doctoral programmes:

- Landscape protection and climatology
- Natural and anthropogenic processes of the lithosphere and the atmosphere
- Social geography and regional development
- Sustainable energetics

Pál Juhász-Nagy Doctoral School

Disciplines:

- **biology**
- **environmental sciences**

Doctoral programmes:

- Applied ecology
- Botany
- Evolution and biodiversity
- Biotechnology and bioengineering
- Functional and restorative ecology
- Hydrobiology
- Quantitative and terrestrial ecology
- Plant biology and biotechnology

Data on ADT doctoral schools

Doctoral School of Animal Husbandry

The establishment of the Doctoral School:

2001

Doctoral School area of science:

Agricultural Sciences

Doctoral School discipline:

Animal husbandry sciences

Research areas:

Animal product production, Reproductive biology, Genomics, Feeding, Fish biology, Animal Breeding - Gene Conservation, Animal Ecology

A doctorate degree may be awarded in:

agricultural sciences: animal husbandry sciences

Master's courses that provide the prerequisites:

agricultural engineering, applied mathematics, veterinary engineering, animal husbandry engineering, biology, bioengineering, food safety and quality engineering, business informatics, physical education, hydrobiology, environmental agricultural engineering, environmental science, facilities engineering, mathematician, agricultural biotechnologist, molecular biologist, plant doctor, program design computer scientist, feed and forage safety engineer, conservation engineering, wildlife engineering, business development, chemist, rural agricultural engineer,

Doctoral School data:

Name in HU:	Állattenyésztési Tudományok Doktori Iskola
Name in EN:	Doctoral School of Animal Science
short name in HU:	Állattenyésztési Tudományok Doktori Iskola
short name in EN:	Doctoral School of Animal Science
code number:	D52
tel/fax.:	36 52 512-900/88131; 36 52 508-438; fax: 36 52 486-285
e-mail:	allattenydi@agr.unideb.hu ; vargam@agr.unideb.hu
Website:	https://allattenyestesi.unideb.hu

Head of the Doctoral School:

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Kerpely Kálmán Doctoral School of Crop and Horticultural Sciences

The establishment of the Doctoral School:

2000

Doctoral School field of science:

Agricultural Sciences

Doctoral School discipline:

Plant Production and Horticultural Sciences

Research areas:

Soil, plant and environment, Agriculture, Land use, Soil protection and improvement, Plant nutrient and water supply, Vegetable and fruit production, Distribution of elements, Food safety, Plant product quality

A doctorate degree may be awarded in:

agricultural sciences: plant production and horticultural sciences

Master's courses that provide the prerequisites:

agricultural engineer, agrochemical agricultural engineer, plant health engineer, horticultural engineer, crop production engineer, food engineer, food safety and quality engineer, nutrition science, environmental agricultural engineering, agricultural biotechnologist, rural agricultural engineer, bioengineer, agricultural and food mechanical engineer, molecular biology, chemical engineer

Doctoral School data:

Name in HU:	Kerpely Kálmán Növénytermesztési és Kertészeti Tudományok Doktori Iskola
Name in EN:	Kerpely Kálmán Doctoral School of Crop and Horticulture Sciences
short name in HU:	Kerpely Kálmán Doktori Iskola (KK-DI)
short name in EN:	Kerpely Kálmán Doctoral School (KK-DS)
Code number:	D53
tel./fax.:	(+36 52) 508-444
e-mail:	szelesa@agr.unideb.hu
Website:	https://kerpelykalmandi.unideb.hu/

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e-mail:	elek.erszsebet@agr.unideb.hu
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Doctoral School of Nutrition and Food Science

The establishment of the Doctoral School:	2018
Doctoral School field of science:	Medical sciences, Agricultural sciences
Doctoral School discipline:	health sciences, food science
Research areas:	public health, preventive medicine, epidemiology, experimental oncology, complex rehabilitation, nutrition, metabolic diseases, food chemistry and biochemistry of the food chain, food safety, food quality assurance, quality control, quality preservation, food biotechnology and technology, food analytics
A doctorate degree may be awarded:	PhD
Masters courses providing admission:	general practitioner, dentist, pharmacist, clinical laboratory researcher, molecular biology, medical biotechnology, general practitioner, nutritionist, public health, biologist, biotechnologist

Doctoral School data:

Name in HU:	Táplálkozás- és Élelmiszertudományi Doktori Iskola
Name in EN:	Doctoral School of Nutritional and Food Sciences
short name in	TÉDI
short name in EN:	NFS DS
code number:	D243
tel./fax.:	36 52 508-444/88406
e-mail:	szepesi@agr.unideb.hu
Website:	http://mek.unideb.hu/index.php/hu/tudomany/elelmiszertudomanyi-doktori-iskola

Head of the Doctoral School:

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phone/fax:	+36 52 411 600 / 56220
e-mail:	szilvassy.zoltan@med.unideb.hu

Secretary of the Doctoral School:

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phone/fax:	06 52 508 - 444/88406
e-mail:	siposp@agr.unideb.hu

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Appendix 1/a

Administrative administrator of the DS:

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Core members of DCAS's doctoral schools

Doctoral School of Animal Husbandry

Dr. Komlósi István, egyetemi tanár, az MTA doktora, intézetvezető, doktori iskola vezető
DE MÉK, Állattudományi, Biotechnológiai és Természetvédelmi Intézet

Dr. Babinszky László, egyetemi tanár, PhD
DE MÉK, Takarmány- és Élelmiszer-biotechnológiai Tanszék

Dr. Czeglédi Levente, egyetemi docens, PhD
DE MÉK, Állattenyésztési Tanszék

Dr. Csapó János egyetemi tanár, az MTA doktora
DE MÉK, Élelmiszertechnológiai Intézet

Dr. Jávor András, egyetemi tanár, CSc
DE MÉK, Állatgenetikai Laboratórium

Dr. Kusza Szilvia, tudományos főmunkatárs, PhD
DE MÉK, Állatgenetikai Laboratórium

Dr. Rátky József, egyetemi tanár, az MTA doktora
DE MÉK, Állattenyésztési Tanszék

Dr. Mihók Sándor, professor emeritus, CSc
DE MÉK, Állattenyésztési Tanszék

Kepely Kálmán Doctoral School of Crop and Horticultural Sciences

Dr. Nagy János, egyetemi tanár, DSc, doktori iskola vezető
DE MÉK, Földhasznosítási, Műszaki és Területfejlesztési Intézet

Dr. Holb Imre, egyetemi tanár, DSc
DE MÉK, Kertészettudományi Intézet

Dr. Karaffa Erzsébet, egyetemi tanár, PhD
DE MÉK, Élelmiszertudományi Intézet

Dr. Kovács Béla, egyetemi tanár, PhD
DE MÉK, Élelmiszertudományi Intézet

Dr. Kövics György, egyetemi tanár, CSc
DE MÉK, Növényvédelmi Intézet

Dr. Loch Jakab, professor emeritus, DSc
DE MÉK, Agrokémiai és Talajtani Intézet

Dr. Marton L. Csaba, tudományos tanácsadó, DSc

MTA ATK Mezőgazdasági Intézet
Dr. Pepó Péter, egyetemi tanár, DSc
DE MÉK, Növénytudományi Intézet

Doctoral School of Nutrition and Food Science

Dr. Szilvássy Zoltán, egyetemi tanár, DSc
DE ÁOK, Farmakológiai és Farmakoterápiai Intézet

Dr. Kovács Béla, egyetemi tanár, intézetvezető
DE MÉK, Élelmiszertudományi Intézet

Dr. Sipka Sándor, professor emeritus

Dr. Győri Zoltán, egyetemi tanár, DSc
DE, Táplálkozástudományi Intézet

Dr. Baranyi József, tudományos tanácsadó
DE, Táplálkozástudományi Intézet

Dr. Bánáti Diána, egyetemi tanár
DE, Táplálkozástudományi Intézet

Dr. Altorjay István, egyetemi tanár, tanszékvezető
DE ÁOK, Belgyógyászati Intézet, Gastroenterológiai nem önálló Tanszék

Dr. Pócsi István, egyetemi tanár, tanszékvezető
DE TTK, Biológiai és Ökológiai Intézet, Biotechnológiai és Mikrobiológiai Tanszék

Dr. Páll Dénes, egyetemi tanár, igazgató
DE ÁOK, Belgyógyászati Intézet, Anyagcsere Betegségek nem önálló Tanszék

Dr. Fári Miklós, egyetemi tanár, tanszékvezető
DE MÉK, Növénytudományi Intézet, Mezőgazdasági Növénytan Növényélettani és
Biotechnológiai nem önálló Tanszék

Dr. Tamás János, egyetemi tanár, intézetvezető
DE MÉK, Víz- és Környezetgazdálkodási Intézet

Dr. Emri Tamás, egyetemi docens
DE TTK, Biológiai és Ökológiai Intézet, Biotechnológiai és Mikrobiológiai Tanszék

Dr. Prokisch József, egyetemi docens
DE TTK, Biológiai és Ökológiai Intézet, Biotechnológiai és Mikrobiológiai Tanszék

Dr. Gesztelyi Rudolf, egyetemi docens
DE GYTK, Gyógyszerhatástani Tanszék

Dr. Juhász Béla, egyetemi docens
DE ÁOK, Farmakológiai és Farmakoterápiai Intézet

Dr. Csiki Zoltán, egyetemi docens
DE ÁOK, Belgyógyászati Intézet, Geriátriai nem önálló Tanszék

Council of DCAS doctoral schools

Doctoral School of Animal Husbandry

Dr. Komlósi István, egyetemi tanár, az MTA doktora, intézetvezető, doktori iskola vezető
DE MÉK, Állattudományi, Biotechnológiai és Természetvédelmi Intézet

Dr. Babinszky László, egyetemi tanár, PhD
DE MÉK, Takarmány- és Élelmiszer Biotechnológiai Tanszék

Dr. Czeglédi Levente, egyetemi docens, PhD
DE MÉK, Állattenyésztési Tanszék

Dr. Csapó János egyetemi tanár, az MTA doktora
DE MÉK, Élelmiszertechnológiai Intézet

Dr. Jávor András, egyetemi tanár, CSc
DE MÉK, Állatgenetikai Laboratórium

Dr. Juhász Lajos, egyetemi docens, PhD
DE MÉK, Természetvédelmi Állattani és Vadgazdálkodási Tanszék

Dr. Kovács András, professor emeritus, az MTA doktora
DE MÉK, Állattenyésztési Tanszék

Dr. Kusza Szilvia, tudományos főmunkatárs, PhD
DE MÉK, Állatgenetikai Laboratórium

Dr. Nagy Géza, egyetemi tanár, tanszékvezető, CSc
DE GTK Vidékfejlesztési és Regionális Gazdaságtani intézeti nem önálló Tanszék

Dr. Mihók Sándor, professor emeritus, CSc
DE MÉK, Állattenyésztési Tanszék

Dr. Rátky József, egyetemi tanár, az MTA doktora
DE MÉK, Állattenyésztési Tanszék

1 doctoral student (internal member with advisory rights)

Kepely Kálmán Doctoral School of Crop and Horticultural Sciences

Dr. Nagy János, egyetemi tanár, DSc, doktori iskola vezető (teljes jogú belső tag)
DE MÉK, Földhasznosítási, Műszaki és Területfejlesztési Intézet

Dr. Holb Imre, egyetemi tanár, DSc (teljes jogú belső tag)
DE MÉK, Kertészettudományi Intézet

Dr. Karaffa Erzsébet, egyetemi tanár, PhD
DE MÉK, Élelmiszertudományi Intézet

Dr. Kátai János, egyetemi tanár, CSc (teljes jogú belső tag)
DE MÉK, Agrokémiai és Talajtani Intézet

Dr. Kovács Béla, egyetemi tanár, PhD (teljes jogú belső tag)
DE MÉK, Élelmiszertudományi Intézet

Dr. Kövics György, egyetemi tanár, CSc (teljes jogú belső tag)
DE MÉK, Növényvédelmi Intézet

Dr. Pepó Péter, egyetemi tanár, DSc (teljes jogú belső tag)
DE MÉK, Növénytudományi Intézet

1 doctoral student (internal member with advisory rights)

Doctoral School of Nutrition and Food Science

Dr. Szilvássy Zoltán, egyetemi tanár, DSc
DE ÁOK, Farmakológiai és Farmakoterápiai Intézet

Dr. Kovács Béla, egyetemi tanár, intézetvezető
DE MÉK, Élelmiszertudományi Intézet

Dr. Pócsi István, egyetemi tanár, tanszékvezető
DE TTK, Biológiai és Ökológiai Intézet, Biotechnológiai és Mikrobiológiai Tanszék

Dr. Fári Miklós, egyetemi tanár, tanszékvezető
DE MÉK, Növénytudományi Intézet, Mezőgazdasági Növényntani Növényélettani és
Biotechnológiai Tanszék

Dr. Győri Zoltán, egyetemi tanár, DSc
DE Táplálkozástudományi Intézet

Dr. Páll Dénes, egyetemi tanár, igazgató
DE ÁOK, Belgyógyászati Intézet, Anyagcsere Betegségek nem önálló Tanszék

Dr. Altorjay István, egyetemi tanár, tanszékvezető
DE ÁOK, Belgyógyászati Intézet, Gastroenterológiai nem önálló Tanszék

Dr. Juhász Béla, egyetemi docens
DE ÁOK, Farmakológiai és Farmakoterápiai Intézet

2 doctoral student (internal member with advisory rights)

Doctoral school teachers and supervisors

Doctoral School of Animal Husbandry

név	tud. fokozat
Dr. Babinszky László	PhD
Dr. Balogh Péter	PhD
Dr. Bársony Péter	PhD
Dr. Béri Béla	CSc
Dr. Bodó Imre	DSc
Dr. Bodó Szilárd	PhD
Dr. Csanádi József	PhD
Dr. Csapó János	DSc
Dr. Csiki Zoltán	PhD
Dr. Czeglédi Levente	PhD
Dr. Farka Róbert	DSc
Dr. Fehér Milán	PhD
Dr. Fenyvessy József	CSc
Dr. Gundel János	CSc
Dr. György Éva	PhD
Dr. Herdon Miklós	PhD
Dr. Jávor András	CSc
Dr. Jeney Zsigmond	CSc
Dr. Juhász Lajos	PhD
Dr. Komlósi István	DSc
Dr. Kovács Levente	PhD
Dr. Kovács András	DSc
Dr. Kövér László	PhD
Dr. Kukovics Sándor	CSc
Dr. Kusza Szilvia	PhD
Dr. Máthé Endre	PhD
Dr. Mihók Sándor	CSc
Dr. Nagy Géza	CSc
Dr. Nagy Sándor Alex	PhD
Novotniné Dr. Dankó Gabriella	PhD
Dr. Oláh János	PhD
Dr. Pálfyné Dr. Vass Nóra	PhD
Dr. Peles Ferenc Árpád	PhD
Dr. Penksza Károly	PhD
Dr. Posta János	PhD
Dr. Prokisch József	PhD

**Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS**

Appendix 1/a

Dr. Rátky József	DSc
Dr. Rédei Károly	DSc
Dr. Sárospataki Miklós	CSc
Dr. Stéger Viktor	PhD
Dr. Stündl László	PhD
Dr. Szabó Csaba	PhD
Dr. Szabó Péter	PhD
Dr. Szendrei László	PhD
Dr. Tamás János	DSc
Dr. Váradi László	PhD
Dr. Vincze Boglárka	PhD

Kepely Kálmán Doctoral School of Crop and Horticultural Sciences

név	tud. fokozat
Balláné Dr. Kovács Andrea	PhD
Dr. Bihari Zoltán	PhD
Dr. Blaskó Lajos	DSc
Dr. Bozsik András	CSc
Dr. Búvár Géza	PhD
Dr. Csajbók József	PhD
Dobránszki Judit	CSc
Dr. Fónagy Adrien	DSc
Gálné Dr. Remenyik Judit	PhD
Dr. Gonda István	CSc
Dr. Hagymássy Zoltán	Phd
Dr. Harsányi Endre	Phd
Dr. Holb Imre	DSc
Dr. Juhász Csaba	PhD
Dr. Karaffa Erzsébet Mónika	PhD
Dr. Kátai János	DSc
Dr. Kovács Béla	PhD
Dr. Kovács Elza	PhD
Dr. Kövics György	CSc
Dr. Kutasy Erika	PhD
Dr. Lisztes-Szabó Zsuzsa	PhD
Dr. Loch Jakab	DSc
Dr. Marton L. Csaba	DSc
Dr. Nagy János	DSc
Dr. Pepó Pál	DSc
Dr. Pepó Péter	DSc
Dr. Pusztahelyi Tünde	DSc
Dr. Radócz László	CSc
Dr. Rátonyi Tamás	PhD

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Appendix 1/a

Dr. Sárvári Mihály	CSc
Dr. Sinóros-Szabó Botond	DSc
Dr. Sipos Péter	PhD
Dr. Kakuszi-Széles Adrienn	PhD
Takácsné Dr. Hájos Mária	CSc
Dr. Tarcali Gábor	PhD
Dr. Vágó Imre	CSc
Dr. Vántus András	PhD
Dr. Veres Szilvia	PhD
Dr. Zsembeli József	PhD
Dr. Zsombik László	PhD

Doctoral School of Nutrition and Food Science

név	tud. fokozat
Dr. Altorjay István	DSc
Dr. Ambrus Árpád	CSc
Dr. Bánáti Diána	DSc
Dr. Baranyi József	PhD
Dr. Benkő Ilona	PhD
Dr. Csapó János	DSc
Dr. Csernoch László	DSc
Dr. Csiki Zoltán	PhD
Dr. Emri Tamás	PhD
Dr. Fári Miklós	DSc
Dr. Gesztelyi Rudolf	PhD
Dr. Győri Zoltán	DSc
Dr. Győriné Dr. Mile Irma	PhD
Dr. Hallay Judit	PhD
Dr. Horváth Zsolt	PhD
Dr. Huzsvai László	PhD
Dr. Juhász Béla	PhD
Dr. Kadenczki Lajos	PhD
Dr. Karaffa Erzsébet	PhD
Dr. Kovács Béla	PhD
Dr. Lugasi Andrea	PhD
Dr. Máthé Endre	PhD
Dr. Páll Dénes	DSc
Dr. Pócsi István	DSc
Dr. Prokisch József	PhD
Dr. Pusztahelyi Tünde	PhD
Dr. Remenyik Judit	PhD
Dr. Rurik Imre	DSc
Dr. Sipos Péter	PhD

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Appendix 1/a

Dr. Szakály Zoltán	CSc
Dr. Szeitzné Dr.Szabó Mária	PhD
Dr. Szilvássy Zoltán	DSc
Dr. Tamás János	DSc
Dr. Veres Szilvia	PhD
Kincses Sándorné Dr.	PhD

UNIVERSITY OF DEBRECEN (FI 17198)

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Form of application for regular doctoral (PhD) education

I. Personal data

Name: Sex: male/female
Name given at birth:
EHA/Neptun-code (for students of UD only):.....
Place of birth: Date of birth:
Mother's name:..... Citizenship:
Number of ID card: (*in case of non-Hungarian citizens the type and number of the residence document*) :.....
Permanent address:.....
Postal address:
E-mail address:
Telephone number: mobile phone number:.....
Place of work:.....

II. Qualifications, professional experience

University degree programme (major) (to be provided even if the number of the diploma is not yet available):

qualification of the degree:.....

issuing institution:.....

number/year:.....

Language knowledge (language, certificate level, document number, date of issue):
.....

Has the candidate taken part in doctoral education and/or degree conferment procedure at the University of Debrecen or any other university:

a) no

b) yes, namely:

Data pertaining to previous academic activities

(as regulated by the doctoral committee of disciplinary area)

III. The doctoral education applied for

Name of the doctoral school:

Name of the doctoral programme:

The title of the topic intended to be elaborated on:

.....

Name and e-mail address of the dissertation supervisor:

The form of education applied for (please underline as appropriate):

Full-time (state scholarship) – Full-time (other scholarship) – Correspondence

In case of “other scholarship”, please provide the source of the scholarship:

Date:

.....

signature of supervisor

.....

signature of applicant

Supporting documents:

1. The academic CV and list of publications of the candidate
2. Photocopy of the academic record book
3. Photocopy of the university diploma or a declaration on its expected date of issue
4. Photocopy of the document certifying language knowledge
5. Planned research topic and research plan (bearing the signature of the dissertation supervisor and the head of the doctoral school)

Point scores in the admission process to doctoral programmes

The unified point score system consists of **100 available points** which can be earned in 3 categories.

- In the first category, the board of admissions examines the candidate's professional intelligence and orientation, plans related to the research project proposed to be carried out in the course of the doctoral programme, and how well-founded it is. The assessment of the above may take place in the form of an oral examination and/or on the basis of an application or research proposal submitted in writing. The maximum points available in this category is 40.
- The second category evaluates the prior academic results of the candidate. This may be in the form of an index number generated from the grade point averages of completed semesters and/or the evaluation of the diploma received in the university/master's programme. The maximum points available in this category is 30.
- The third category evaluates the prior academic record and accomplishments of the candidate. Points may be earned on the basis of documented products (publications, papers submitted to TDK (Student Competition), etc.). The accomplishments for which points may be earned shall be identical with those listed in Section II. 2, paragraph c) of the Regulations of the Talent Management Programme of the University of Debrecen. The maximum points available in this category is 30. The scores shall be assigned by the board of doctoral admissions with attention to the following tiers:

20–30 points:

- first authored refereed publication in an academic journal (“in extenso”)
- prize-winning paper in the National Student Competition, 1st to 3rd place
- national design plan competition, 1st to 3rd place (or the plans being purchased)
- documented place in a Hungarian or international artistic or professional competition

10-20 points:

- non-first authored refereed publication in an academic journal
- first authored paper or poster in non-local conference and non-OTDK (National Student Competition)
- paper (and/or competition project) presented in the National Student Competition, not winning a prize
- national design plan competition, not winning a prize

0-10 points:

- non-first authored paper or poster other than in National Student Competition
- paper presented at local or student conference (other than TDK Student Competitions)
- exhibition of design plans at public exhibition
- documented concert participation

A prerequisite of admission is an intermediate-level, C-type language examination.

Training procedure of the Doctoral School of Animal Husbandry
(subjects, lecturers, lectures numbers, credits, structure of the training plan, sample curriculum)

Number of study (training) credits to be completed during the first 4 semesters of the doctoral programme: 16

Total number of credits to be acquired during the training period: 240

Compulsory subjects

<i>Subject code</i>	<i>Subject</i>	<i>Responsible person</i>	<i>Credit</i>	<i>1. semest (autumn)</i>	<i>2. semest (spring)</i>	<i>3. semest (autumn)</i>	<i>4. semest (spring)</i>
MT-ALL-A001	Design and analysis of animal breeding experiments I.	Dr. István Komlósi	2	X			
MT-ALL-A002	Design and analysis of animal breeding experiments II.	Dr. István Komlósi	2		X		
MT-ALL-A07	Informatics	Dr. Péter József Lengyel	1	X			
MT-ALL-A21	Statistics	Dr. Péter Balogh	1		X		
MT-ALL-A005	Animal breeding I.	Dr. Sándor Mihók	2		X		
MT-ALL-A006	Animal breeding II.	Dr. Sándor Mihók	2			X	
MT-ALL-A27	Writing Scientific Papers	Dr. János Posta	2			X	
DEAKIDI	General Research Methods	<i>Scientific Directorate</i>	1			X	

Facultative subjects

<i>Subject code</i>	<i>Subject</i>	<i>Responsible person</i>	<i>Credit</i>	<i>1. semest (autumn)</i>	<i>2. semest (spring)</i>	<i>3. semest (autumn)</i>	<i>4. semest (spring)</i>
MT-ALL-B24	Animal breeding policy	Dr. András Jávör	1				X
MT-ALL-B18	Animal health	Dr. Nóra Dr. Pálfyné Vass	1			X	
MT-ALL-C003	Animal reproduction biology	Dr. József Rátky	1				X
MT-ALL-C34-K1	Animal species identification by molecular biology tools	Dr. Levente Czeglédi	1			X	
MT-ALL-C25-K1	Apiary	Dr. János Oláh	1		X		
MT-ALL-C21-K1	Aquaculture	Dr. Péter Bársony	1	X			
MT-ALL-C30-K1	Biochemistry of animal-origin food production	Dr. János Csapó	1	X			
MT-ALL-C051	Biology of bee	Dr. Miklós Sárospataki	1	X			
MT-ALL-C12	Biotechnology	Dr. Nóra Dr. Pálfyné Vass	1				X
MT-ALL-C028	Breeding of endangered breeds	Dr. Sándor Mihók	1			X	
MT-ALL-C33-K1	Cattle breeding	Dr. Béla Béri	1	X			
MT-ALL-B25	Development of living space	Dr. László Szendrei	1				X

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Appendix 4

<i>Subject code</i>	<i>Subject</i>	<i>Responsible person</i>	<i>Credit</i>	<i>1. semest (autumn)</i>	<i>2. semest (spring)</i>	<i>3. semest (autumn)</i>	<i>4. semest (spring)</i>
MT-ALL-C027	Ecology, Environmental and animal protection	Dr. Juhász Lajos	1			X	
MT-ALL-C07	Economy of milk production	Dr. Rózsáné Dr. Várszegi Zsófia	1			X	
MT-ALL-B20	Ethology	Dr. Gabriella Novotniné Dankó	1			X	
MT-ALL-C14	Evaluation of carcass and meat	Dr. András Jávör	1				X
MT-ALL-C28-K1	Feed evaluation and production technology	Dr. Csaba Szabó	1			X	
MT-ALL-C015	Fish ecology and protection	Dr. Lajos Juhász	1				X
MT-ALL-C22-K1	Fish farming	Dr. László Stündl	1	X			
MT-ALL-B12	Forest and Game Management Policy	Dr. Károly Rédei	1				X
MT-ALL-C045	Game ecology and protection	Dr. Lajos Juhász	1				X
MT-ALL-C29-K1	Genetic and molecular biology basics of nutrition research based on animal model systems	Dr. Endre Máthé	1			X	
MT-ALL-B13	Genetic conservation	Dr. Sándor Mihók	1			X	
MT-ALL-C008	Genetics and selection	Dr. István Komlósi	1	X			
MT-ALL-B34	Health of aquatic animals	Dr. Zsigmond Jeney	1				X
MT-ALL-C32-K1	Hidrobiology	Dr. Sándor Alex Nagy	1	X			
MT-ALL-C24-K1	Horse breeding	Dr. Sándor Mihók	1	X			
MT-ALL-C020	Intensive fish culture	Dr. László Váradi	1			X	
MT-ALL-C06	Microbiology	Dr. Ferenc Peles	1			X	
MT-ALL-C31-K1	Milk and dairy products as functional food	Dr. János Csapó	1				X
MT-ALL-C13	Milk processing	Dr. József Csanádi	1				X
MT-ALL-B05	Molecular genetics	Dr. Szilvia Kusza	1	X			
MT-ALL-C17-K1	Physiological properties of animal derived food products	Dr. Zoltán Csiki	1	X			
MT-ALL-C27-K1	Pig breeding	Dr. Gabriella Novotniné Dankó	1	X			
MT-ALL-B37-K1	Population dynamics of wild animals	Dr. Juhász Lajos	1	X			
MT-ALL-C18-K1	Possibilities in improvement of functional food of animal origin	Dr. Zoltán Csiki	1	X			
MT-ALL-C36-K1	Poultry Breeding	Dr. Sándor Mihók	1	X			
MT-ALL-C26-K1	Precision animal nutrition	Dr. Csaba Szabó	1		X		
MT-ALL-C38-K1	Products and by-products of animal breeding in circular economy	Dr. Attila Nagy	1			X	
MT-ALL-C37-K1	Proteomics in animal production	Dr. Levente Czeglédi	1			X	
MT-ALL-C042	Regulation of game stock	Dr. Lajos Juhász	1			X	

Doctoral Council of Agricultural Sciences
DOCTORAL REGULATIONS

Appendix 4

Subject code	Subject	Responsible person	Credit	1. semest (autumn)	2. semest (spring)	3. semest (autumn)	4. semest (spring)
MT-ALL-C19-K1	Research Methods on Evaluation of Grasslands and Grassland Productivity	Dr. Géza Nagy	1		X		
MT-ALL-C20-K1	Scientific evaluation of grassland feed products and utilization of grassland	Dr. Géza Nagy	1		X		
MT-ALL-C35-K1	Separation techniques in animal derived food analysis	Dr. János Csapó	1			X	
MT-ALL-C23-K1	Sheep breeding	Dr. András Jávör	1	X			
MT-ALL-C16-K1	Species protection and ecosystem regulation	Dr. Károly Penksza			X		
MT-ALL-B35-K1	Sustainable animal keeping systems and technologies	Dr. Béla Béri	1		X		

Doctoral School of Animal Husbandry
Training plan - schedule of subjects

Title of research topic:

PhD student name:

Form of training: full-time - correspondence - individual (to be underlined)

Name of subject leader(s):

Subject		Name of teacher	Semester								Credit	Teacher's signature
Type and code	Name of subjects		1.	2.	3.	4.	5.	6.	7.	8.		
Compulsory subjects												
MT-ALL-A001	Design and analysis of animal breeding experiments I.	Dr. István Komlósi	28								2	
MT-ALL-A002	Design and analysis of animal breeding experiments II.	Dr. István Komlósi		28							2	
MT-ALL-A07	Informatics	Dr. Miklós Herdon	14								1	
MT-ALL-A21	Statistics	Dr. Péter Balogh		14							1	
MT-ALL-A005	Animal breeding I.	Dr. Sándor Mihók		28							2	
MT-ALL-A006	Animal breeding II.	Dr. Sándor Mihók			28						2	
MT-ALL-A27	Writing Scientific Papers	Dr. János Posta			28						2	
DEAKIDI	General Research Methods	Scientific Directorate		14							1	
Facultative subjects												
			14 (semester)								1	
			14 (semester)								1	
			14 (semester)								1	
All study credits			3-6	6-9	4-7	0-3					16	
Research activity (max.)			19-27	16-24	18-26	22-30	30	30	30	30	184-224	
			0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-40	
Total:			30	30	30	30	30	30	30	30	240	

Date.....

Approval::

Doctoral School of Animal Husbandry

Sample of the training and research plan and aspects of its preparation

University of Debrecen
Doctoral School of Animal Sciences

Head of the Doctoral School:

Dr. István Komlósi
university professor, DSc

TRAINING AND RESEARCH PLAN

Topic title

Name of PhD student

form of training

Research place

Department

Supervisor:

Name
academic degree

Debrecen

20....

(Deadline: 1 October/1 March each year)

TRAINING AND RESEARCH PLAN

I. Examination requirement

1. Compulsory subjects
 - Design and evaluation of animal breeding experiments I, II.
 - Information Technology
 - Statistics
 - Scientific communication methodology
 - Animal husbandry I, II.
 - General research skills
2. Optional subjects
 - ...
 - ...
3. Complex examination subjects (1 compulsory and 2 optional)
Main subject:
Attachments: 1)
 2)
4. Status and plan for language learning
 - current
 - the planned exam in the second language, the language and the date of the exam
5. Preparation of a table of subjects in the training plan
6. Teaching requirement: name and number of hours of the subjects taught by the doctoral candidate in the department (departmental contract)

II. Research

(Research design criteria for first year PhD students)

1. Rationale, relevance, objective of the topic
2. Brief literature review
3. Experiments to be carried out
 - a) Species, number, management, name, number, etc.
 - b) Test methods
 - c) Mathematical, statistical and evaluation methods to be applied
 - d) Expected results
 - e) The availability of animals, equipment, financial resources, etc.
 - f) Expected cost of the tests
 - g) Request for support
4. Annual schedule of research
5. Foreseeable obstacles, problems
6. Plan for study visits abroad and in Hungary

Debrecen, 20

.....
PhD student

.....
supervisor(s)

The Doctoral School Council approved the Training and Research Plan: yes/no

Debrecen, 20.....

Dr. István Komlósi
university professor
head of doctoral school

Doctoral School of Animal Husbandry

COMPLEX EXAMINATION PRIMARY AND SECONDARY SUBJECTS

Primary subjects:

Scientific evaluation of grassland feed products and utilization of grassland
Animal breeding
Biochemistry of animal-origin food production
Poultry Breeding
Biotechnology
Genetics and selection
Genetic conservation
Fish farming
Sheep breeding
Horse breeding
Molecular genetics
Precision animal nutrition
Pig breeding
Animal reproduction biology
Cattle breeding
Evaluation of carcass and meat

Secondary subjects:

Research Methods on Evaluation of Grasslands and Grassland Productivity
Aquaculture
Animal health
Animal species identification by molecular biology tools
Physiological properties of animal derived food products
Possibilities in improvement of functional food of animal origin
Development of living space
Separation techniques in animal derived food analysis
Forest and Game Management Policy
Sustainable animal keeping systems and technologies
Fish ecology and protection
Hydrobiology
Informatics
Intensive fish culture
Apiary
Microbiology
Ecology, Environmental and animal protection
Statistics
Feed evaluation and production technology
Milk and dairy products as functional food
Economy of milk production
Regulation of game stock
Population dynamics of wild animals
Game ecology and protection

Training procedure of the Kerpely Kálmán Doctoral School

(subjects, lecturers, lectures numbers, credits, structure of the training plan, sample curriculum)

Kerpely Kálmán Doctoral School

Number of study (training) credits to be completed during the first 4 semesters of the doctoral programme: 16

Total number of credits to be acquired during the training period: 240

Subject code	Subject	Requirement	Credit	Lecturer
Obligatory subjects				
AT-KK-A3	Crop models I.	Exam.	1	Péter Pepó, DSc
AT-KK-A4	Crop models II.	Exam.	1	Péter Pepó, DSc
AT-KK-A5	Agricultural research methodology	Exam.	2	József Csajbók, PhD
AT-KK-A7	Integrated pest management I.	Exam.	1	László Radócz, CSc
AT-KK-A8	Integrated pest management II.	Exam.	1	László Radócz, CSc
AT-KK-A9	Integrated pest management III.	Exam.	1	László Radócz, CSc
AT-KK-A10	Sustainable land use I.	Exam.	1	János Nagy, DSc
AT-KK-A11	Sustainable land use II.	Exam.	1	János Nagy, DSc
Elective subjects				
AT-KK-B1	Horticulture and environment I.	Exam.	1	János Imre Holb, DSc
AT-KK-B2	Horticulture and environment II.	Exam.	1	János Imre Holb, DSc
AT-KK-B3	Horticulture and environment III.	Exam.	1	János Imre Holb, DSc
AT-KK-B7	Soil protection and soil improvement I.	Exam.	1	Lajos Blaskó, DSc
AT-KK-B8	Soil protection and soil improvement II.	Exam.	1	Lajos Blaskó, DSc
AT-KK-B9	Soil protection and soil improvement III.	Exam.	1	Lajos Blaskó, DSc
AT-KK-B10	Soil and environment I.	Exam.	1	János Kátai, CSc
AT-KK-B11	Soil and environment II.	Exam.	1	János Kátai, CSc
AT-KK-B12	Soil and environment III.	Exam.	1	János Kátai, CSc
AT-KK-B13	Integrated cereal production I.	Exam.	1	Péter Pepó, DSc
AT-KK-B14	Integrated cereal production II.	Exam.	1	Péter Pepó, DSc
AT-KK-B15	Integrated cereal production III.	Exam.	1	Péter Pepó, DSc
AT-KK-B19	The biological basis of plant production I.	Exam.	1	Csaba Lajos Marton, DSc
AT-KK-B20	The biological basis of plant production II.	Exam.	1	Csaba Lajos Marton, DSc
AT-KK-B21	The biological basis of plant production III.	Exam.	1	Csaba Lajos Marton, DSc
AT-KK-B25	Soil fertility management I.	Exam.	1	Andrea Kovács Balláné, PhD
AT-KK-B26	Soil fertility management II.	Exam.	1	Andrea Kovács Balláné, PhD
AT-KK-B27	Soil fertility management III.	Exam.	1	Andrea Kovács Balláné, PhD
AT-KK-B28	Integrated approach of phytopathology I.	Exam.	1	György Kövics, CSc
AT-KK-B29	Integrated approach of phytopathology II.	Exam.	1	György Kövics, CSc
AT-KK-B30	Integrated approach of phytopathology III.	Exam.	1	György Kövics, CSc
AT-KK-B40	Microbiology I.	Exam.	1	Mónika Erzsébet Karaffa,

				PhD
AT-KK-B41	Microbiology II.	Exam.	1	Mónika Erzsébet Karaffa, PhD
AT-KK-B42	Microbiology III.	Exam.	1	Mónika Erzsébet Karaffa, PhD
AT-KK-B46	Analysis of plant origin products I.	Exam.	1	Róbert Béla Kovács, PhD
AT-KK-B47	Analysis of plant origin products II.	Exam.	1	Róbert Béla Kovács, PhD
AT-KK-B48	Analysis of plant origin products III.	Exam.	1	Róbert Béla Kovács, PhD
AT-KK-B49	Knowledge of precision farming machinery I.	Exam.	1	Endre Harsányi, PhD
AT-KK-B50	Knowledge of precision farming machinery II.	Exam.	1	Endre Harsányi, PhD
AT-KK-B51	Knowledge of precision farming machinery III.	Exam.	1	Endre Harsányi, PhD
AT-KK-B52	Environment friendly crop protection I.	Exam.	1	János Imre Holb, DSc
AT-KK-B53	Environment friendly crop protection II.	Exam.	1	János Imre Holb, DSc
AT-KK-B54	Environment friendly crop protection III.	Exam.	1	János Imre Holb, DSc
AT-KK-B55	Soil cultivation systems I.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B56	Soil cultivation systems II.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B57	Soil cultivation systems III.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B58	Sustainable precision agriculture I.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B59	Sustainable precision agriculture II.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B60	Sustainable precision agriculture III.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B61	Introduction to digital soil mapping I.	Exam.	1	Miklós László Pásztor, DSc
AT-KK-B62	Introduction to digital soil mapping II.	Exam.	1	Miklós László Pásztor, DSc
AT-KK-B63	Introduction to digital soil mapping III.	Exam.	1	Miklós László Pásztor, DSc
AT-KK-B64	Molecular plant breeding I.	Exam.	1	Pál Pepó, CSc
AT-KK-B65	Molecular plant breeding II.	Exam.	1	Pál Pepó, CSc
AT-KK-B66	Molecular plant breeding III.	Exam.	1	Pál Pepó, CSc
AT-KK-B67	Dynamic plant physiology based on image analysis I.	Exam.	1	György Gábor Szemán-Nagy, PhD
AT-KK-B68	Dynamic plant physiology based on image analysis II.	Exam.	1	György Gábor Szemán-Nagy, PhD
AT-KK-B69	Dynamic plant physiology based on image analysis III.	Exam.	1	György Gábor Szemán-Nagy, PhD
AT-KK-B70	Plant and environment I.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B71	Plant and environment II.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B72	Plant and environment III.	Exam.	1	Adrienn Kakuszi-Széles, PhD
AT-KK-B73	In vitro plant propagation and plant stress tolerance I.	Exam.	1	Judit Dobránszki, DSc
AT-KK-B74	In vitro plant propagation and plant stress tolerance II.	Exam.	1	Judit Dobránszki, DSc
AT-KK-B75	In vitro plant propagation and plant stress tolerance III.	Exam.	1	Judit Dobránszki, DSc
AT-KK-B76	Plant production decision support models I.	Exam.	1	Anikó Nyéki, PhD
AT-KK-B77	Plant production decision support models II.	Exam.	1	Anikó Nyéki, PhD
AT-KK-B78	Plant production decision support models III.	Exam.	1	Anikó Nyéki, PhD
AT-KK-B79	Integrated pest management I.	Exam.	1	László Radócz, CSc
AT-KK-B80	Integrated pest management II.	Exam.	1	László Radócz, CSc
AT-KK-B81	Integrated pest management III.	Exam.	1	László Radócz, CSc
Optional subjects				
AT-KK-C1	Organic crop production	Exam.	2	András Szabó, PhD

AT-KK-C2	Sustainable precision agriculture	Exam.	2	János Nagy, DSc
AT-KK-C3	Integrated herb production	Exam.	2	Tünde Erika Kutasy, PhD
AT-KK-C6	Fodder crops integrated production	Exam.	2	Mihály Sárvári, PhD
AT-KK-C7	Plan and environment	Exam.	2	Adrienn Kakuszi-Széles, PhD
AT-KK-C8	Water management of field crops	Exam.	2	József Csajbók, PhD
AT-KK-C11	Advanced water treatment technologies	Exam.	2	Elza Kovács, PhD
AT-KK-C12	Integrated crop production	Exam.	2	Fülöp Lajos Dóka, PhD
AT-KK-C13	Crop production on sandy soils	Exam.	2	László Zsombik, PhD
AT-KK-C19	Soil chemistry	Exam.	2	Mária Dr. Micskeiné dr. Csubák, CSc
AT-KK-C20	Lysimetry	Exam.	2	József Zsembeli, PhD
AT-KK-C22	Agrochemical aspects of plant quality	Exam.	2	Imre Vágó, CSc
AT-KK-C23	Biological processes in the soil	Exam.	2	János Kátai, CSc
AT-KK-C25	Ecophysiology	Exam.	2	Szilvia Veres, PhD
AT-KK-C26	Environment friendly mechanisation	Exam.	2	Endre Harsányi, PhD
AT-KK-C27	Machines of plant protection	Exam.	2	Zoltán Hagymássy, PhD
AT-KK-C28	Bio-energetics	Exam.	2	Botond Sinóros-Szabó, DSc
AT-KK-C29	Machines of food industry	Exam.	2	András Vántus, PhD
AT-KK-C31	Fruit production	Exam.	2	István Gonda, CSc
AT-KK-C34	Role of vegetables in human nutrition	Exam.	2	Mária Takácsné Hájos, CSc
AT-KK-C36	Plant metabolic products and their cytological analysis	Exam.	2	Zsuzsanna Lisztes-Szabó, PhD
AT-KK-C40	Viticulture technology	Exam.	2	Zoltán Bihari, PhD
AT-KK-C51	Insect physiological basics and their application in modern plant protection	Exam.	2	Adrienn Fónagy, DSc
AT-KK-C53	Plant protection chemistry	Exam.	2	Andrea Balláné Kovács, PhD
AT-KK-C54	Toxicology	Exam.	2	József Prokisch, PhD
AT-KK-C55	Mycotoxins in agriculture	Exam.	2	Tünde Pusztahelyi, PhD
AT-KK-C56	Weed biology, weed management	Exam.	2	László Radócz, DSc
AT-KK-C57	Plant protection forecasting	Exam.	2	Gábor Tarcali, PhD
AT-KK-C59	Soil physics fundamentals of land use	Exam.	2	Tamás Rátonyi, PhD
AT-KK-C63	Biological plant protection	Exam.	2	László Radócz, DSc
AT-KK-C67	Integrated soil use	Exam.	2	Adrienn Kakuszi-Széles, PhD
AT-KK-C68	Agricultural meteorology, climate conditions of the plant stock	Exam.	2	Béla Gombos, PhD
AT-KK-C69	Element specification methods in agriculture	Exam.	2	Róbert Béla Kovács, PhD
AT-KK-C70	Bioactive components of fruit species	Exam.	2	Judit Gálné Remenyik, PhD
AT-KK-C71	Precision vegetable production	Exam.	2	Mária Takácsné Hájos, CSc
AT-KK-C72	Industrial wastes as possible plant nutrients	Exam.	2	Brigitta Tóth, PhD

RESEARCH PLAN
criteria for preparing the research plan for first year PhD students
(Deadline: 01 October each year)

Name:

Name of the research place:

Supervisor(s):

Topic title:

1. Rationale, relevance, objective and brief literature review
2. The aim of the study and the experiment
3. Location of the study, conditions, experiment setup, treatments, etc.
4. Examination and test methods
5. Mathematical and statistical evaluation methods to be applied
6. Annual research timetable
7. Expected results
8. The available means, financial resources, etc.
9. Expected cost of the tests
10. Request for support
11. Foreseeable obstacles, problems

Date

Signatures:

PhD student

Supervisor(s)

Approval: Doctoral School Council

PhD student

subject leader

The Doctoral School Council approved the Research and Training Plan: yes no

Date:

.....
Head of Doctoral School



KERPELY KÁLMÁN
CROP AND HORTICULTURAL SCIENCES
DOCTORAL SCHOOL

T r a i n i n g a n d r e s e a r c h p l a n

Address

Name

Supervisor:

Debrecen
year

STRUCTURE OF THE TRAINING AND RESEARCH PLAN

I. Thesis outline

1. Rationale for the topic

2. Objectives

3. Half-yearly budget plan

4. Research schedule

Title of task	Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII
Literature processing								
Data collection								
Data analysis, processing								
Preparing a model								
Preparing a literature chapter								
Organising own results								
Completion of doctoral thesis								
Apply for a degree								
Publication of partial results								

5. The planned chapters of the thesis

I. Training plan - timetable of subjects

Research topic title:

Name of PhD student:

Name of supervisor(s), academic degree:

Form of training: full-time – part-time

Form	Subject	Teacher	1st sem.	2nd sem.	3rd semester	Sem. 4	Sem. 5	Sem. 6	Sem. 7	Sem. 8	Credit	Teacher's signature
Form	Subject	Teacher										
Hours												
Required	1. Agricultural research methodology	József Csajbók, PhD	28								2	
	2. Land use	János Nagy, DSc	14	14							2	
	3. Crop production models	Péter Pepó, DSc			14	14					2	
Elective	1.		14	14	14						3	
	2.		14	14	14						3	
Freely chosen	1.		28								2	
	2.			28							2	
	3.				28						2	
	4.					28					2	
Total			7	5	5	3	30	30	30	30	20	
Research activity (max)			23	25	25	27	30	30	30	30	220	
Educational activities			0-4	0-4	0-4	0-4	0-4	0-4			0-24	
Sum Total			30	30	30	30	30	30			240	

Date:

PhD student

supervisor

The Doctoral School Council approved the Research and Training Plan: yes no

Date:

Head of Doctoral School

COMPLEX EXAMINATION PRIMARY AND SECONDARY SUBJECTS

Primary subjects:

- AT-KK-A10 Sustainable land use I.**
- AT-KK-A11 Sustainable land use II.**
- AT-KK-A3 Crop models I.**
- AT-KK-A4 Crop models II.**

Secondary subjects

- AT-KK-C1 Organic crop production**
- AT-KK-B58 Sustainable precision agriculture I**
- AT-KK-B59 Sustainable precision agriculture II.**
- AT-KK-B60 Sustainable precision agriculture III.**

Agrometeorology

- AT-KK-C67 Integrated soil use**
- AT-KK-C26 Environment friendly mechanisation**
- AT-KK-C31 Fruit production**
- AT-KK-B52 Environment friendly crop production I.**
- AT-KK-B53 Environment friendly crop production II.**
- AT-KK-B54 Environment friendly crop production III.**

**Program Order of the Food Science Program
of the Doctoral School of Nutrition and Food
Sciences**

Subjects of the Food Science Program

Number of credits that have to be collected during the program: 240

Subject code	Name of subject	Lecturer	Credits
Compulsory subjects			
AT-TE-A1	Major research fields of food science	Dr. József Prokich	3
AT-TE-A2-ÉLELM	Nutrition and functional food	Dr. Zoltán Szilvássy	2
AT-TE-A3	Making sense of data in food and life sciences	Dr. József Baranyi	2
AT-TE-A4	Quality and quantity analyses of food and food raw materials	Dr. Béla Kovács	2
DEAKIDI	General research methods	Dr. László Csernoch	1
AT-KV	Complex examination	Dr. Péter Pepó	0
Compulsorily optional subjects			
AT-TE-B6-I	Food chemistry I.	Kincses Sándorné Dr.	1
AT-TE-B6-II	Food chemistry II.	Dr. Erzsébet Kovács	1
AT-TE-B6-III	Food chemistry III.	Kincses Sándorné Dr.	1
AT-TE-B7-I	Physical and rheological examination of food I.	Dr. Péter Sipos	1
AT-TE-B7-II	Physical and rheological examination of food II.	Dr. Péter Sipos	1
AT-TE-B7-III	Physical and rheological examination of food III.	Dr. Péter Sipos	1
AT-TE-B9-I	Mycotoxins in the food chain – detecting their effect and the regulation of their biosynthesis I.	Dr. Tünde Pusztahelyi	2
AT-TE-B9-II	Mycotoxins in the food chain – detecting their effect and the regulation of their biosynthesis II.	Dr. Tamás Emri	1
AT-TE-B13-I	Recent results of food biotechnology I.	Dr. István Pócsi	1

AT-TE-B13-II	Recent results of food biotechnology II.	Dr. Valter Pfliegler	1
AT-TE-B13-III	Recent results of food biotechnology III.	Dr. Tamás Emri	1
AT-TE-C9-I	Innovation in the food industry, development of functional food I.	Dr. József Prokisch	1
AT-TE-C9-II	Innovation in the food industry, development of functional food II.	Dr. József Prokisch	1
AT-TE-C9-III	Innovation in the food industry, development of functional food III.	Dr. József Prokisch	1
AT-TE-B10	Evaluation of agrochemicals in terms of food safety	Dr. Árpád Ambrus	3
Optional subjects			
AT-TE-C1	Element speciation methods in food tests	Dr. Béla Kovács	2
AT-TE-C3	Fundamentals of risk assessment in food safety	Dr. Andrea Zentai	2
AT-TE-C4	Use of quality systems in the food production chain	Dr. Nikolett Czipa	2
AT-TE-C5	Bioactive components and their analysis in vegetables & fruits	Dr. Judit Remenyik	2
AT-TE-C6	Nanoparticles in food	Dr. József Prokisch	2
AT-TE-C7	Food toxicology	Dr. József Prokisch	2
AT-TE-C8	Rules and methods for the production of food allergens and allergen-free products	Dr. József Prokisch	2
AT-TE-C10	Special food technologies	Dr. Péter Sipos, Gálné Dr. Remenyik Judit	2
AT-TE-C11	Nutrition and food marketing	Dr. Zoltán Szakály	2
AT-TE-C12	Fitonutrients in nutrition	Dr. Szilvia Veres	2
AT-TE-C13	Genetic and cell molecular basics of nutrition research based on animal modelling systems	Dr. Endre Máthé	2
AT-TE-C14	Legal and public health aspects in the market placement of food	Dr. Andrea Lugasi	2
AT-TE-C15	Recycling technologies of agricultural and food industry organic material	Dr. János Tamás	2
AT-TE-C16	Researching the effects of climate change (drought, flood) in terms of food safety with remote-sensing procedures	Dr. János Tamás	2
AT-TE-C17	Precision agriculture and food quality	Dr. János Tamás	2
AT-TE-C18	Microbiological rapid methods for analysis of food quality and safety	Dr. Erzsébet Karaffa	2
AT-TE-C19	Analysis of pesticides and pesticide residues	Dr. Lajos Kadeczki	2
AT-TE-C20	Analysis of food industry waste	Dr. Péter Tamás Nagy	2

AT-TE-C21	Interrelations of food safety and water supply management	Dr. Attila Nagy	2
AT-TE-C26	The relationship between food quality and plant physiology	Dr. Brigitta Tóth	2
AT-TE-C27	Elemental analyses (AAS, ICP), spectroscopic methods of food analysis	Dr. Béla Kovács	2
AT-TE-C29	Development and fortification possibilities of cereal-based products	Dr. Gerda Diósi	2
AT-TE-C30	Post-harvest technology	Dr. Erzsébet Karaffa	2
AT-TE-C34	Actualities of microbiome research, possible areas of practical use	Dr. Melinda Pahlcsek	2
AT-TE-C36	Microbiomes: New results in the research of microbiomes: the importance of commensal, opportunistic, and food microbes	Dr. Valter Pfliegler	2

Schedule of subjects for the Doctoral Programme in Food Science

student's name:

supervisor:

training form: full-time/part-time (underline)

topic title:

Form	Subject	Teacher	Semester								credit	Teacher's signature	
			1.	2.	3.	4.	5.	6.	7.	8.			
Compulsory	General research skills	Dr. László Csernoch	x									2	
	Biometrics	Dr. László Huzsvai	x									2	
	Nutrition and functional foods	Dr. Zoltán Szilvássy		x								2	
	Priority areas for food science research	Dr. Zoltán Gyóri		x								2	
Elective	1.		x	x	x							3	
	2.			x	x	x						3	
Freely chosen	1.		x									2	
	2.			x								2	
	3.				x							2	
	4.					x						2	
subject credit			7	8	4	3	-	-	-	-		22	
research			23	22	26	27	30	30	30	30		218	

credit												
educatio nal activities			0- 4	0- 4	0- 4	0- 4	0- 4	0- 4	0- 4	0- 4	0- 4	0-32
Sum Total			30	30	30	30	30	30	30	30	30	240

date:

Approval:

**The Doctoral Programme in Food Science of
the Doctoral School of Nutrition and Food
Science**

**RESEARCH
PLAN**

**Aspects of preparing the research plan for first year PhD
students**

(Deadline: 01 October each year)

Name:

Supervisor(s):

Topic title:

1. Rationale, relevance, objective and brief literature review
2. Purpose of the analysis and the experiment
3. Location of the analysis, conditions, experimental setup, treatments, etc.
4. Test methods
5. Mathematical and statistical evaluation methods to be applied
6. Annual research timetable
7. Expected results
8. The available means, financial resources, etc.
9. Expected cost of the analyses
10. Request for support
11. Foreseeable obstacles, problems

Date

PhD. student

supervisor

Approval: Doctoral School Council

The Doctoral School Council approved the Research and Training Plan: yes no

Date:

Head of Doctoral School

**The Doctoral Programme in Food Science of
the Doctoral School of Nutrition and Food
Science**

COMPLEX EXAMINATION PRIMARY AND SECONDARY SUBJECTS

Major topics:

1. Food chemistry
2. Food analytics
3. Nutrition science, latest research results
4. Food microbiology
5. Recent results of food biotechnology
6. Molecular biology and genetics
7. Food physics
8. Storage and processing of cereals and industrial plants
9. Preservation procedures
10. Fermentation processes
11. Processing of raw materials of animal origin
12. Food quality control
13. Food safety
14. Quality Assurance
15. Environmental protection of the food production chain
16. Making sense of data in food and life sciences
17. Innovation in the food industry
18. Nutrition and functional foods
19. Healthy eating
20. Nutrition-related diseases
21. Food marketing

Minor topics:

1. Elemental analysis (AAS, ICP) spectroscopic methods of food analysis
2. Quality control of food and food ingredients
3. Food production chain quality and safety requirements in the European Union

4. Innovation in the food industry, development of functional foods
5. Food chemistry
6. Physical examination of food
7. Mycotoxins in the food chain, effect-detection and regulation of their biosynthesis
8. Food safety assessment of agrochemicals
9. Element speciation methods in food tests
10. Basics of food safety risk analysis
11. Application of quality systems in the food chain
12. Bioactive components and their analysis of vegetable and fruit
13. Nanoparticles in food
14. Food toxicology
15. Rules and methods for the production of food allergens and allergen-free products
16. Special food technologies
17. Nutrition and food marketing
18. Phytonutrients in nutrition
19. Influence of plant nutrient supply on elements of human nutrition
20. Genetic and molecular cell biology essentials of nutrition research based on animal model systems
21. Legal and public health aspects of placing food on the market
22. Agricultural and food organic material recycling technologies
23. Investigation of the impact of climate change on food safety (drought, inland water) by remote sensing procedures
24. Precision agriculture and food quality
25. Rapid microbiological methods in food quality and food safety studies
26. Microbiomes: New perspectives in the research of microbiomes: the importance of commensal, opportunistic, and food microbes
27. Development and enrichment opportunities of cereal-based products
28. Post-harvest technology
29. Actualities of microbiome research, possible areas of their practical use

UNIVERSITY OF DEBRECEN

FI 17198

.../20.....

**Form of application for the complex examination and the doctoral (PhD) degree
conferment procedure**

I. Personal data

Name: Student ID number:
Participated in regular doctoral education: Yes, full-time Yes, correspondence No
(individual preparation)
Place and date of birth:
Mother's name:
Number of ID card:
Permanent address:
Postal address:
E-mail address:
Place of work:
University degree programme (major): qualification of degree:
issuing institute: number/year:

II. Data pertaining to previous academic activities:

published academic articles - reviews - conference presentations - other:
.....
.....

III. Language skills (date of documents):
.....

IV. The disciplinary area of the doctoral degree:
Discipline:

Doctoral school:
Doctoral programme:
The topic of the dissertation:

Dissertation supervisor: (Identification no.:)

The requested complex examination subjects:
.....

Number of enclosures:

Debrecen,

(signature of applicant)

UNIVERSITY OF DEBRECEN
FI 17198

.../20.....

Written record of the complex examination

Name: Student ID number:
Dissertation supervisor: Faculty ID number:
(Co-supervisor: Faculty ID number:)
Disciplinary area:
Discipline:

Board of complex examination:

NAME	FACULTY ID number	SIGNATURE
Chairperson:		
Dr.
members:		
Dr.
Dr.
Dr.
Dr.

The date of the examination: 20... .. Place:
.....

I. Theoretical part

Primary subject:
Secondary subject:

Questions asked at the examination:

Evaluation of the responses:

The opinion of the members of the board – theoretical part (*number of votes*):
pass: ... did not pass: ...

UNIVERSITY OF DEBRECEN
FI 17198

.../20.....

Written record of the doctoral (PhD) degree conferment

Name: Student ID number:
Dissertation supervisor: Faculty ID number:
(Co-supervisor: Faculty ID number:)
Disciplinary area:
Discipline:
The title of the dissertation:

I. The dissertation defence

Official opponents: Dr. yes/no
Dr. yes/no
(Dr. yes/no)

Defence board:

NAME	FACULTY ID number	SIGNATURE
Chairperson: Dr.
members: Dr.
Dr.
Dr.
Dr.
Dr.
Dr.

The date of the defence: 20... Place:

1) The opinion of the members of the defence board on the academic accomplishments of the candidate (number of votes):

did not pass: ...; rite: ...; cum laude: ...; summa cum laude: ...;

The qualification of the academic accomplishments:

did not pass / rite / cum laude / summa cum laude (*please underline*)

2) The opinion of the members of the defence board on the dissertation (number of votes):

did not pass: ...; rite: ...; cum laude: ...; summa cum laude: ...;

The qualification of the dissertation:

did not pass / rite / cum laude / summa cum laude (*please underline*)

3) The opinion of the defence board on the candidate's performance at the defence (number of votes):

did not pass: ...; rite: ...; cum laude: ...; summa cum laude: ...;

The evaluation of the performance at the defence:

did not pass / rite / cum laude / summa cum laude (*please underline*)

Reasons (please continue on a separate sheet if necessary):

(signature of the Chairperson of the board)

II. The decision of the doctoral committee of the disciplinary area:

The doctoral committee of the disciplinary area, by way of its resolution no. adopted at the meeting held on **supported / did not support** the conferment of the doctoral degree to the candidate.

The qualification of the doctoral degree: **summa cum laude / cum laude / rite**

Reasons in case of rejection:

....., 20...

(signature of the Chairperson of the Doctoral Council of the discipline)

III. The decision of the Doctoral and Habilitation Council of the University:

By way of its resolution no. adopted at the meeting held on 20..., the Doctoral and Habilitation Council of the University **conferred / did not confer** the doctoral degree to the candidate.

Reasons in case of rejection:

....., 20...

(signature of the Chairperson of the Doctoral and Habilitation Council of the University)

IV. The University conferred the doctoral degree on

....., 20...

The number of the doctoral diploma:/20....

(signature of the rector)

The scope of acceptable academic publications

The scope of acceptable academic publications includes printed and/or electronic publications (journal articles¹, university/college textbooks, technical books, academic monographs, book chapters, translations from ancient classic languages, etc.), which:

- a) present the author's own research findings and results (in case of books, also refers to them in an itemised manner);
- b) include precise references to literature;
- c) have an ISBN or ISSN number;
- d) are refereed²;
- e) are referenced (can be found in a publicly known database);³
- f) have an impact factor subject to the given discipline/branch of art,
- g) have appeared in or as a professional publication, and this publication was issued by
 - h) an internationally or at least nationally recognised publisher;⁴
 - i) preferably in a foreign language that is widely used in professional circles;
 - j) can be found and accessed in major public libraries;
 - k) can be ordered/subscribed/purchased.

Also acceptable as publications are completed technical or artistic works, patents registered in Hungary or abroad; and as references, the documented implementation of or industrial mass production based on a patent.

The following are **not acceptable** as academic publications:

- writings published in daily newspapers or non-professional weeklies (even if their topic is of professional nature);
- works published by the author (if not reviewed in terms of language/content);
- university or college notes, auxiliary materials, handouts, workbooks, compilations, works of editing in terms of content or language, etc.;
- short (one-page) writings in conference proceedings or on a poster;
- (book) translations, with the exception of the translation of ancient classics, with philological annotations;
- book reviews or critiques (except longer analyses of works);
- research reports prepared in the framework of grant applications or for order;
- student theses, dissertations (for titles of dr.univ., PhD, DLA, CSc, DSc, inaugural papers);
- other manuscript-type treatises, writings;
- writings in popular science journals and similar (e.g. in *Élet és Tudomány*);
- interviews other than those prepared with research objectives and methodologies (either as the reporter or the subject);

¹ **Journal:** a periodical publication, identified by a volume number, which appears regularly, typically at least four times (i.e. four issues) a year (but as a minimum twice), containing articles written for the given periodical, identified by a volume number.

² **Refereed** (peer-reviewed) publication: an independent reader or readers has/have provided their opinion on the work before its publication. The acceptance of conference presentations on the basis of abstracts and their publication in conference proceedings shall NOT mean that they are refereed publications.

³ **Referenced** publication: the work of the candidate (i.e. all works with the exception of book chapters) can be found on the basis of the author's name in a searchable database (e.g. Web of Science/Science Citation Index, Scopus, Engineering Index, etc.) or a bibliographic indexing journal.

⁴ **Hungarian publication of international circulation:** publication that is circulated internationally by way of official, regular (subscription-based) channels.

- any writings that have not yet been published (planned) or accepted for publication.

The requirements of the disciplinary areas concerning the academic independent accomplishments of the candidate

Agricultural sciences

The condition of being admitted to the defence: at least 4 publications in the subject of the dissertation that have appeared in refereed journals (should be published in journals having an impact factor or accepted by the Department of Agricultural Sciences of the Hungarian Academy of Sciences, 1 conference paper (in Hungarian or foreign language) published in its entirety, and 2 other publications (conference paper, abstract, etc.). A copy of each of the above shall be submitted together with the dissertation. Special emphasis shall be laid on the quality of the publications: the suitability of the publications, as a condition to admissibility to defence, shall be examined individually in case of each candidate by the council of the doctoral school. It is a requirement that at least one of the 4 refereed publications needs to have appeared in a journal having an impact factor or accepted by the Department of Agricultural Sciences of the Hungarian Academy of Sciences, or the candidate has an accepted publication in the above. The publications may have co-authors, including the dissertation supervisor of the candidate. If two candidates are authors in a publication, the dissertation supervisor shall make a declaration on the percentage of the given candidate's contribution.

Humanities

The candidate shall, by the time of the commencement of the degree-conferment procedure, have at least three publications (with publications presented for the admission to the programme not counting), in any of the high-quality, refereed journals as determined by the council of the doctoral school (editor's letter of acceptance or pre-print proofs are also acceptable); the publications shall be related to the topic of the dissertation. At least two of the three publications shall be longer papers comparable to a dissertation chapter (the third one may be a shorter paper). A publication in a prestigious foreign periodical shall be counted as the equivalent of two publications in Hungary. A further condition of the commencement of the degree conferment procedure is also participation at a conference (other than the OTDK – National Student Competition, which does not count). If the length of time between being granted the absolutorium and the commencement of the degree conferment procedure is one year or longer, the student is required to write one additional longer paper; in such a case, this is a precondition to requesting the commencement of the degree-conferment procedure.

Medical sciences

It is an expectation from those desiring to receive a doctoral degree to have publications with an impact factor in the subject of their dissertation, submitted from the University of Debrecen and with the corresponding author being employed by the University of Debrecen. A condition of being admitted to the defence is to have at least 2 *in extenso* publications related to the topic of the dissertation published in foreign, refereed journals (having an impact factor). In the publications, it is an expectation that the author make a significant contribution to the results, and to be the first author in at least one of the publications, and further that the supervising role of the candidate's dissertation supervisor can be established from the list of authors of the publications. The use of the same publication by two candidates should be avoided. If, nevertheless, two candidates wish to use the same publication, the council of the doctoral school shall examine whether the extent and significance of the results in the publications allow this, and shall also consider the statements of the co-authors in terms of who participated in the work to what proportion and which candidate used what in his or her doctoral dissertation. If two candidates wish to use the same publication, this shall be notified to the head of the relevant doctoral school before the first procedure. Joint use approved by the council of the relevant doctoral school(s) shall be clearly documented, and the documentation shall be also sent to the

Doctoral Council of Medical Sciences. The approval of publications already used in a defence procedure shall not be permitted in a subsequent procedure if the intention was not indicated in the course of the earlier procedure.

Social sciences

(1) The condition of the appointment of the dissertation committee of the public defence is that the candidate perform the conditions described in point (a) or point (b) or point (c), with the additional requirements specified in this section:

(a) The candidate has at least two international publications that have been published or accepted for publication.

(b) The candidate has at least one international publication published or accepted for publication and at least one more Hungarian academic article published or accepted for publication which fulfils the following requirements:

- in case of candidates of the “Marton Géza” Doctoral School of Legal and Political Sciences, the Hungarian academic article shall be published in a Hungarian scholarly journal or other publication of at least category “B” according to the classification of the Committee of Legal and Political Sciences of the Hungarian Academy of Sciences;
- in case of candidates of the “Ihrig Károly” Doctoral School of Management and Business, the Hungarian academic article shall be published in a Hungarian scholarly journal or other publication of at least category “D” according to the classification of the Specialized Qualifying Committee of Economic Sciences of the Hungarian Academy of Sciences;
- and the Hungarian academic article is not published or accepted for publication in case of the candidates of either of the doctoral schools in a periodical related to the University of Debrecen.

(c)⁵ The candidate has at least four Hungarian academic articles published or accepted for publication, which satisfy the following conditions:

- at least two of the Hungarian academic articles were published or accepted for publication in a periodical not related to the University of Debrecen;
- in case of candidates of the “Marton Géza” Doctoral School of Legal and Political Sciences, two of the publication shall be published in a Hungarian scholarly journal or other publication of at least category “B”, and the rest of the publication in at least category “C” according to the classification of the Committee of Legal and Political Sciences of the Hungarian Academy of Sciences;
- in case of candidates of the “Ihrig Károly” Doctoral School of Management and Business, the Hungarian academic articles shall be published in a Hungarian scholarly journal or other publication of at least category “D” according to the classification of the Specialized Qualifying Committee of Economic Sciences of the Hungarian Academy of Sciences.

(2)⁶ The requirements concerning the publication specified in paragraph (1) above shall be applicable with the following restrictions:

- only writings of at least 20,000 characters (including spaces) may be accepted as publications, with the exception of those that were published in a journal of category “A”

⁵ This section was changed in the course of the amendment of the regulations on 29 September 2016.

⁶ This section was changed in the course of the amendment of the regulations on 29 September 2016.

- or “B” according to the classification of the specialized committee of the Hungarian Academy of Sciences;
- only two writings published in the same journal may be accepted, with the exception of those that were published in a journal of category “A” or “B” according to the classification of the specialized committee of the Hungarian Academy of Sciences;
 - not more than two different book chapters may also be accepted as academic publications, provided that they are peer reviewed and contain references, and their length is at least 20,000 characters including spaces;
 - in case of co-authored publications, the co-authors shall make a declaration concerning the extent of the candidate’s contribution.
 - all publications taken into consideration shall be linked to the subject of the dissertation.

(3) For the purposes of paragraph (1), an international academic journal shall be a periodical that satisfies the requirements set for academic professional journals in the Doctoral Requirements of Department IX of the Hungarian Academy of Sciences (see p. 87 in the January 2010 issue of *Magyar Tudomány*), i.e. an academic publication that has a board of editors and in which the articles submitted are peer-reviewed in terms of their professional quality by anonymous experts.

(4) For the purposes of paragraph (1), an international publication shall be an academic article published or accepted for publication in an international academic journal or an academic article published or accepted for publication in an international conference proceedings volume in its entirety, provided that the international conference proceedings satisfies the conditions prescribed for international academic journals.

(5) Satisfying the requirements concerning the publications in terms of form and content, including the uploading of the entire list of publications to the Hungarian National Scientific Bibliography (MTMT), shall be a precondition of the appointment of the defence committee.

Natural sciences

The minimum requirements generally expected in terms of the candidate’s academic accomplishments, at the time of the submission of the dissertation, is two refereed articles published (or accepted for publication) in an international journal. These shall be uploaded at the time of the submission of the dissertation to the DEA database, as well as submitted on a CD-ROM to the Doctoral School of Natural Sciences.

In exceptional cases, based on the decision of the Doctoral Council of Natural Sciences, 1 refereed article published in an international journal (as above) + 2 refereed articles published in a Hungarian journal (in a foreign language) are also acceptable.

The Doctoral School of Physics and the “Juhász-Nagy Pál” Doctoral School specifically prescribe two publications in an international journal having an impact factor. It is an expectation that the candidate should be the first author in case of at least one publication.

The Doctoral School of Chemistry expects two articles published in refereed journals having an impact factors (or articles having a DOI number, or available in pre-print proofs, or confirmed by the editor of the journal as accepted for publication). It is a basic requirement that at least one of these should be written with the decisive contribution of the candidate.

The Doctoral School of Information Science and Technology expects two articles published (or accepted for publication, having a DOI number or available in pre-print proofs) in refereed

academic journals or volumes. It is a basic requirement that at least one of these should be written with the decisive contribution of the candidate.

The Doctoral School of Mathematical and Computational Sciences expects a printed and/or electronic publication (journal article, college/university textbook, technical book, academic monograph, etc.) that preferably has an impact factor and is referenced (available in publicly known databases). Publications that have appeared in specialized books, journals or conference proceedings shall be assigned between 3 and 20 points, depending on the place of publication (see the website of the Doctoral School), and the minimum number of points to be thus accumulated shall be 15.

The Doctoral School of Earth Sciences shall assign points for the publications according to the following criteria: a publication in a journal with an impact factor is 25 points; a publication in a foreign, peer-reviewed and referenced journal is 20 points; a foreign-language publication in a Hungarian, peer-reviewed and referenced journal is 10 points. The minimum number of points to achieve shall be 40. The candidate shall be required to write at least one paper in the first two types.

With a view to the specificities of their disciplines, the Doctoral School of Physics (primarily in the field of didactics) and the Doctoral School of Earth Sciences (in the field of social geography) provides an itemized list of the journals publications in which are acceptable for the purposes of admittance to the doctoral defence.

*** Doctoral School of Animal Husbandry**

Independent scientific work

The Council of the Doctoral School has set the minimum number of publications required for doctoral candidates to defend their thesis and its composition.

Admission to the thesis for defence: min. 4 publications (these must be either published in a journal with impact factor or in a journal accepted by the Department of Agricultural Sciences of the Hungarian Academy of Sciences), 1 conference paper (in Hungarian or foreign language), and 2 other publications (conference presentation, abstract, etc.). A copy of each of these must be submitted with the thesis. Particular emphasis is placed on the quality of the publications, the adequacy of which will be assessed individually for each candidate by the DS Board as a condition for the award of the thesis. For doctoral candidates **from the academic year 2008/2009 onwards**, it is a requirement that the candidate must have **at least one** of the 4 peer-reviewed publications published or accepted in an **impact factor** journal before the thesis.

Kerpely Kálmán Doctoral School

Independent scientific work

The Council of the Doctoral School has set the minimum number of publications required for doctoral candidates to defend their thesis and its composition.

The Council of the Doctoral School has set the following minimum publication requirements (for the topic of the thesis):

- Published in 4 peer-reviewed journals, of which at least one foreign WoS/Scopus peer-reviewed journal paper (first author),

- 1 publication in a foreign language, 1 presentation in print at an international scientific conference,
- 2 other publications.

Papers may have co-authors, including the candidate's supervisor. If two doctoral candidates are co-authors, the supervisor must declare to what extent (in what percentage) the results used in the thesis reflect the contribution of the candidate.

The University considers the criteria published by the MAB as an annex to the "Requirements for the accreditation of the establishment and operation of doctoral schools" as the guiding criteria for the assessment of acceptable scientific publications (see Annex 6).

Doctoral School of Nutrition and Food Science Doctoral Programme

The Council of the Doctoral School has set the minimum number of publications required for doctoral candidates to defend their thesis and its composition.

Emphasis is placed on the quality of publications, the adequacy of which is considered individually by the DS Board for each candidate as a condition for the award of the thesis.

For the Doctoral Programme in Food Science, the Council of the Doctoral School requires two impact factor publications on the topic of the thesis. One of these must be rated Q1 or Q2 and one must be rated Q3 or Q4. For one of these publications, the candidate must have a first or corresponding author designation.

It is hoped that it will also gain visibility through publication in a Hungarian scientific journal.

Language examination requirements for the submission of the doctoral thesis and for the award of the degree

Doctoral School of Animal Husbandry

The scope of foreign languages required by the Hungarian Higher Education Act for the study of the field of science is defined by the Council of the Doctoral School as follows.

- The linguistic requirements for the degree are a state-recognised or equivalent language qualification of at least intermediate level "C" *in two foreign languages*

One of the languages (*a*), i.e. the **English** "C" state language examination is compulsory for doctoral candidates. For the second (*b*) language, we accept the intermediate level C language examination with professional extension issued by the DE GTK Institute of Business Communication or a certificate from the DE GTK Institute of Business Communication certifying that the document submitted is equivalent to the intermediate level C language examination with professional extension issued by the Institute.

Kerpely Kálmán Doctoral School

At the Kerpely Kálmán Doctoral School, the language requirement for the degree is a state-recognised or equivalent language examination of at least intermediate level "C" in two foreign languages. As a second (*b*) language, we accept an intermediate level "C" language examination with professional extension issued by the DE GTK Institute of Business Communication or a certificate from the DE GTK Institute of Business Communication certifying that the document submitted is equivalent to an intermediate level "C" language examination with professional extension issued by the Institute.

Doctoral School of Nutrition and Food Science Doctoral Programme

One of the languages (*a*), i.e. the **English** "C" state language examination is compulsory for doctoral candidates. For the second (*b*) language, we accept the intermediate level C language examination with professional extension issued by the DE GTK Institute of Business Communication or a certificate from the DE GTK Institute of Business Communication certifying that the document submitted is equivalent to the intermediate level C language examination with professional extension issued by the Institute.

Formal requirements for the preparation of a doctoral (PhD) thesis

Examples of cover pages and inscriptions:

Outer cover: black hardback linen

Inscription (in gilt letters):

THESES OF DOCTORAL (Ph.D.) DISSERTATION

- name of the author (if he/she has previously obtained a doctoral degree: Dr. univ.)
- place and year of submission

Inner cover (1): as per sample

UNIVERSITY OF DEBRECEN

.....DOCTORAL SCHOOL

Head of Doctoral School:

Dr.

university professor, Doctor of the Hungarian Academy of Sciences (DSc)

Supervisor(s):

name

academic degree

THESIS TITLE

Prepared by:

name

PhD candidate

Debrecen

20...

Inner front cover (2)

- names of the complex examination board, the reviewers and the jury, and the dates of the complex examination and the defense (Annex 7/a)

Table of contents after the inner title page in decimal numbering.

Structure of the thesis:

1. INTRODUCTION

Discussing the theoretical and practical relevance of the topic, and setting out the objectives of the candidate's own analyses.

2. LITERATURE REVIEW

With a title appropriate to the topic of the thesis and further structuring according to the narrow topics of the candidate's own analyses.

3. MATERIAL AND METHODS

The place, date, circumstances and conditions of the experiments and surveys. Materials used, description of treatments (layout, number of replications, sampling method, etc.)

4. RESULTS

The results should be summarised in tables, illustrated with diagrams, and the reliability of the results should be verified by mathematical methods.
Explanation of results, comparison with other test results.

5. CONCLUSIONS, RECOMMENDATIONS

The obtained results can be used to draw conclusions on the need for further analyses and practical applications.

6. NEW SCIENTIFIC RESULTS

7. PRACTICAL RESULTS

8. SUMMARY (in Hungarian)

A concise summary of the contents of each chapter, with particular reference to the findings and conclusions drawn.

9. SUMMARY (in English)

10. BIBLIOGRAPHY (literature used)

11. PUBLICATIONS IN THE FIELD OF RESEARCH (list of publications uploaded to the publication database of the DE University and National Library, prepared and validated by the Library)

12. STATEMENTS (Annex 7/b)

13. ANNEXES

The following rules apply to the bibliography:

a) In the case of *publications in journals*, the names of the authors, the title of the publication, the title of the journal, the volume number, possibly the issue number (in brackets), and the opening and closing page numbers of the publication should be given. E.g:

Berzsenyi Z. – Dang, Q. L.: 2004. Kukorica- (Zea mays L.) hibridek növényszám-reakciójának vizsgálata különböző függvényekkel kísérletsorozatban. Növénytermelés. 52. 2: 147-165.

b) In the case of *books*, the name of the author(s) or editor(s), the year of publication, the title of the work, the publisher, the place of publication. E.g:

Bocz E.: 1992. Szántóföldi növénytermesztés. Mezőgazda Kiadó, Budapest.

c) For *book excerpts*, the name of the author of the book excerpt, the year of publication, the title of the book excerpt, followed by the book details (listed under c).

Nagy J.: 2000. A talajművelés és a műtrágyázás hatása a kukorica (Zea mays L.) termésére aszályos és kedvező évjáratokban. [In: Nagy J., Pepó P. (szerk.) Talaj, növény és környezet kölcsönhatásai. III.]. Debreceni Egyetem Agrártudományi Centrum, Debrecen, 97–119.

In the case of multiple authors: the bibliography will print the name of each author, with "et al." is not used in the bibliography.

1. PUBLICATIONS IN THE FIELD OF THE THESES (own literature)

Book in Hungarian:

Nagy J.: 2007. Kukoricatermesztés. Akadémiai Kiadó. Budapest. 393.

Foreign language, domestic book:

Nagy, J.: 2008. Maize production. Akadémiai Kiadó. Budapest. 391.

Book chapter in Hungarian:

Nagy J.: 1993. Műtrágyázás. [In: Nyíri L.–Nagy J. (szerk.) Földműveléstan.] Mezőgazda Kiadó. Budapest. 246–272.

Foreign language, domestic book chapter:

Benedek P.: 1996. Insect pollination. [In: Nyéki K. – Soltész M. (eds.) Floral biology of temperate zone fruit trees and small fruits.] Akadémiai Kiadó, Budapest. 287–341. ISBN 963–05–6896–9.

Scientific publication in a peer-reviewed journal in a foreign language:

Bíró, T.–Mézes, L.–Tamás, J.: 2007. The examination of poultry feather digestibility for biogas production. Cereal Res. Commun. 35. 2: 269–272. ISSN 0133–3720. (IF:1,19).

Scientific publication in a peer-reviewed journal in Hungarian:

Mézes L.–Bíró T.–Tamás J.–Petis M.: 2007: Baromfi toll feltárhatóságának vizsgálata biogáz célú hasznosításhoz. Acta Agr. Debr. Különszám. 26: 113–118. ISSN 1587–1282.

Peer-reviewed conference publication in foreign language:

Mézes, L.–Bíró, T.–Juhász, Cs.–Hunyadi, G.: 2008. Innovative technology for biogas production from pig slurry. [In: Koutev, V. (ed.) Potential for simple technology solutions in organic manure management. 13th RAMIRAN International Conference.] Albena. Bulgaria. 331–334. ISBN 978–954–9067671–6–3.

Peer-reviewed conference publication in Hungarian:

Bíró T.–Mézes L.–Petis M.–Kovács L. K.–Bagi Z.–Hunyadi G.: 2008. A baromfi toll mint biogáz alapanyag. [In: Kiss T.–Somogyvári M. (szerk.) Via Futuri 2007. A biomassza alapú energiatermelés.] Biokom Kft. Pécs. 156–163. ISBN 978–963–06–5993–2.

Non-peer-reviewed conference publication in Hungarian:

Mézes L.–Bíró T.–Hunyadi G.: 2007. Sertéslepek biogáz-előállításának egy lehetséges technológiai alternatívája. Országos Környezetvédelmi Konferencia. Tanulmánykötet. Balatonfüred. 68–76.

Abstract in Hungarian:

Mézes L.: 2007. Baromfi toll feltárhatóságának vizsgálata biogáz célú hasznosításhoz. IV. Jedlik Ányos Szakmai Napok. Absztrakt. Veszprém. 48.

A popular science publication:

Bíró T.–Mézes L.–Petis M.–Kovács L. K.–Bagi Z.–Hunyadi G.–Tamás J.: 2008. A baromfi toll biogáz-alapanyagként történő hasznosítása. [In: Pápa Á. (szerk.) Bioenergia. Bioenergetikai szaklap.] Szekszárdi Bioráma Kft. Szekszárd. 3. 1: 18–21. ISSN 1788–487X.

Publications not directly related to the research topic:

Abstract in Hungarian:

Mézes L.–Bíró T.: 2006. Eger Városi Szennyvíztisztító Telep hatása az Eger-patak vízminőségére. X. Országos Felsőoktatási Környezettudományi Diákkonferencia. Absztrakt. Eger. 93.s

Formal requirement for figures and tables

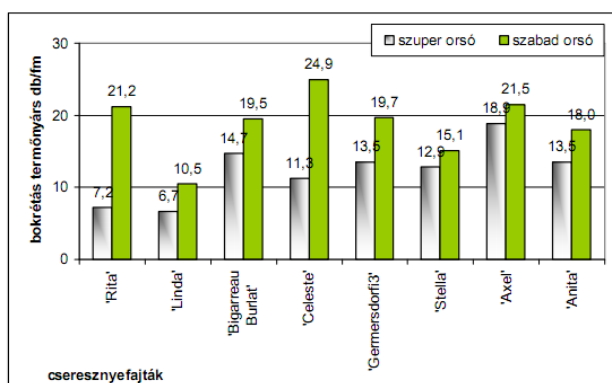
Tables, figures, illustrations and other objects in the text must always be numbered, titled and cited (source in the case of bibliographic references) or referred to in the relevant section of the text.

In the case of a table, the number and title should be above the table, centre-aligned, and in the case of an image, below the object, centre-aligned. The object number and type are indicated in bold type. Examples:

12. táblázat: Növekvő dózisu bentonit hatása a talaj könnyen felvehető káliumtartalmára (Nyíregyháza, kisparcellás kísérlet, 2003-2005)

AL-K ₂ O (mg 1000 g ⁻¹)				
Bentonit dózisosok	2003	2004	2005	Átlag
0.	260,50 a	261,60 a	230,80 a	250,97 a
1.	260,00 a	249,80 b	251,50 b	253,77 a
2.	260,00 a	239,60 b	246,70 b	248,77 a
3.	272,80 b	280,50 c	279,20 c	277,50 b
4.	244,70 c	239,60 b	228,50 a	237,60 a
SzD_{5%}	8,13	11,57	14,85	15,60
<i>SzD_{1%}</i>	11,56	16,45	21,12	22,19

Table 12. The effect of increasing doses of bentonite on the easily accessible potassium content of the soil (Nyíregyháza, small-plot experiment, 2003-2005)



25. ábra Cseresznyefajták termérsz-berakódása a két éves koronaszakasz két koronaformánál (Debrecen-Pallag, 2008-2011)

Figure 25. Fruit density of cherry tree varieties in the two-year-old crown parts for two crown forms (Debrecen-Pallag, 2008-2011)

Fonts and styles:

On A/4 size paper; single-spaced; font size 12, Times New Roman type; margins 3.5 cm on left side, 2.5 cm on right side, 2.5 cm top and 2.5 cm bottom.

The insert sheet of the doctoral dissertation

<< TITLE OF THE DISSERTATION >>

Dissertation submitted in partial fulfilment of the requirements for the doctoral (PhD) degree
in (discipline name)

Written by certified

Prepared in the framework of the doctoral school of the University of
Debrecen
(..... programme)

Dissertation supervisor: Dr.

The official opponents of the dissertation:

Dr.
Dr.

The evaluation board:

Chairperson: Dr.
members: Dr.
Dr.
Dr.
Dr.

The date and venue of the dissertation defence:

....., 20...

STATEMENTS on the last page of the thesis

STATEMENT

I wrote this thesis in the framework of the University of DebrecenDoctoral School for the purpose of obtaining a doctoral degree (Ph.D.) at the University of Debrecen.

Debrecen, 20.....

.....
signature of the candidate

STATEMENT

I hereby certify that the doctoral candidate has carried out his/her work under my/our supervision within the framework of the above-mentioned Doctoral School between 20.....-20..... The candidate has made a decisive contribution to the results of the thesis through his/her independent creative work, and the thesis is the candidate's independent work. I/we recommend that the thesis be accepted.

Debrecen, 20.....

.....
signature of the supervisor(s)

The title page and the required chapters of the theses of doctoral dissertation

The title page of the thesis booklet:

Theses of Doctoral (PhD) Dissertation

<< TITLE OF THE DISSERTATION >>

<<name of the candidate>>

Dissertation supervisor: Dr.



UNIVERSITY OF DEBRECEN

.....Doctoral School of

Debrecen,20...

The required chapters of the thesis booklet:

1. The antecedents and the objectives of the doctoral dissertation;
2. Material and methods;
3. Results
4. New contributions to academic knowledge;
5. Practical use of the results
6. Bibliography (literature used)

The list of the candidate's publications in the topic of the dissertation (see Appendix 6), with all authors indicated.
The thesis booklet may also have further chapters, as customary in the given disciplinary area.

Theses should be 20-25 pages long. The font requirements are the same as for the thesis, but the theses must be reduced to A/5 format. For the public discussion, 15-15 copies of the theses must be prepared in English and Hungarian. The thesis booklet should include a list of the thesis and other relevant publications.

For the workplace discussion, the thesis must be written in full, in both English and Hungarian, as required. It is allowed to be submitted in A/4 format and in half the number of copies as required for the final defence.

HUQF LEVEL: 8
EQF LEVEL: 8

PhD DIPLOMA

THE RECTOR AND THE DOCTORAL COUNCIL OF
UNIVERSITY OF DEBRECEN
HAVE CONFERRED UPON

<NAME>

(BORN <NAME, ON DAY MONTH, YEAR IN TOWN, COUNTRY>)
THE DEGREE OF DOCTOR OF PHILOSOPHY (PhD)
WITH

<QUALIFICATION OF DIPLOMA>

QUALIFICATION
IN RECOGNITION OF HER/HIS PROFICIENCY IN

<DISCIPLINE OF SCIENCE>

<BRANCH OF SCIENCE>

WITH ALL THE RIGHTS APPERTAINING THERETO.
GIVEN UNDER THE SEAL OF THE UNIVERSITY, IN DEBRECEN, HUNGARY
ON <DAY MONTH YEAR.>

.....
PRESIDENT OF THE DOCTORAL COUNCIL

.....
RECTOR

The text of the doctoral oath

Én,fogadom,
hogy a Debreceni Egyetem doktoraihoz méltó magatartást tanúsítok.

Legjobb tudásom szerint munkálkodom
az egyetem hírnevének öregbítésén.
A tudományos etika tiszteletben tartásával
szolgálom a tudományos haladást,
az egyetemes emberi kultúrát
és a nemzeti értékek megőrzését.

I,,
pledge myself
to behave in a manner
worthy of the doctors of the University of Debrecen.

I will do my best
to enhance the university's reputation.
I will serve the advancement of science,
universal human culture
and the preservation of national values
respecting scientific ethics.

UNIVERSITY OF DEBRECEN
FI 17198

Application for the conferment of doctoral (PhD) degree on the basis of nostrification

Name:
Place and date of birth:
Mother's name:
Personal identification card no.:
Permanent address:
Postal address:
E-mail address:
Place of work:
Proficiency in foreign languages (date of certificate):
Subject of university degree, number and year conferred:
Issuing institution: seat:
Academic activities so far: published scientific/scholarly articles reviews
- presentations - other:
The title of the dissertation submitted for the nostrification procedure:
..... language:
The number/year of the original diploma: Discipline:
Issuing institution:
Seat/country:

I declare that I have not submitted an application for a doctoral (PhD) degree at another university, nor has such an application been rejected.

I hereby request the conferment of the doctoral (PhD) degree in (discipline) and the issuance of the doctoral (PhD) diploma.

Debrecen, of, 20... ..

.....
(signature of the applicant)

Enclosures:

- a) the certified copy of the original certificate or diploma or, in exceptional cases, a certified copy of a document that is equivalent to the original diploma (e.g. duplicate);
- b) the certified copy of a document issued by the educational institute abroad (e.g. academic record book, official transcript), which proves the length of the studies completed and the successful performance of the requirements prescribed for the conferment of the diploma (courses completed, examinations, doctoral dissertation, etc.);
- c) the certified Hungarian translations of the documents indicated in sections a) and b) above, and
- d) proof that the applicant has paid the procedural fee.

The doctoral committee of the disciplinary area *supports - does not support* the conferment of the degree.

Debrecen, 20... . .

.....
(Chairperson)

The Doctoral and Habilitation Council of the University has *conferred - has not conferred* the degree.

Debrecen, 20... . .

.....
(Chairperson)

Allowances, normative financing and fees to pay

1. The annual amount of a doctoral student participating in a state-financed doctoral education programme shall be the equivalent of the annual normative financing, as determined in the Act on the National Budget, plus 56% of the normative financing provided for textbooks, sports and cultural services. Each month, registered doctoral students shall receive one-twelfths of the annual amount thus determined.
2. Doctoral students who participated in a state-financed doctoral education programme and obtained their absolutorium shall receive a one-time stipend of HUF 400,000 upon the successful defence of their doctoral dissertation submitted within the statutory deadline and the conferment of the doctoral degree.
3. Fee for admission procedure: HUF 9,000
4. Fee for degree-conferment procedure: HUF 160,000
(The payment shall be due at the time of the submission of the doctoral dissertation.)
5. The decision on the use of the incomes from the fee for admission procedure and the fee for degree-conferment procedure shall be made by the doctoral committees of the disciplinary areas.
6. Decisions on further fees and honorariums shall be made, by taking into consideration the relevant provisions of law and the university regulations, by the doctoral committees and the councils of the doctoral schools in the disciplinary areas.

*Reimbursement of expenses:

For Hungarian citizens:

- for organised full-time and part-time courses: min. 165 000 HUF/semester (8 semesters)
- for individual preparation: 165 000 HUF/semester
- for full-time individual trainees and part-time doctoral candidates at DE MÉK and AKIT: min. 55 000 HUF/semester
- part-time workers are paid a pro rata allowance

For foreign non-Hungarian native speakers

- in agricultural sciences: min.3000 USD/semester

Special procedure fees

- late registration: 5000 HUF/semester
- late enrolment in Neptun: 1500 HUF/subject
- late payment:
 - a) delay within 1 month: HUF 5 000 per semester
 - b) delay of more than 1 month: 10 000 HUF/week
- for a dissertation longer than 150 pages including annexes, an additional fee of HUF 40 000 for every 50 pages started

- Appeal fee: 10 000 HUF

Doctoral acts and the qualification of the doctoral degree

The qualification of the doctoral degree shall be calculated from the aggregate of the qualifications assigned by the members of the board. The qualification of the doctoral (PhD) degree is determined by the qualifications of a) the comprehensive examination b) the dissertation and the independent academic accomplishments, and c) the defence. The qualification of the doctoral degree: *summa cum laude* if all three qualifications were *summa cum laude*; *rite* if at least two of the three were *rite*; and *cum laude* in all other cases.

Each member shall provide an evaluation on a four-grade scale (*summa cum laude*, *cum laude*, *rite*, did not pass), and the opinion of the board shall be calculated from these.

- The result shall be *summa cum laude* if more than half of the members gave a *summa cum laude* evaluation, and there was no evaluation below *cum laude*. If there are at least 5 members, the result shall be *summa cum laude* also if all but one member gave a *summa cum laude* evaluation (regardless of the evaluation given by that one member).
- The result shall be *did not pass* if more than half of the evaluations given were *did not pass*, and also, in case of an even number of members, half of the members gave an evaluation of *did not pass* and the other half gave a *rite* evaluation.
- In all other cases, the mathematical average of the evaluations shall be calculated on the basis of the following: did not pass corresponds to 1, *rite* to 2, *cum laude* to 3, and *summa cum laude* to 4. If the average is 2.5 or above, the result will be *cum laude*; otherwise it will be *rite*.
- The above principles are summarised by the tables below for boards having 3 to 7 members (the numbers shown in the table indicate the number of votes for the given grade, with the last column showing the final qualification by the board).

3-member board

NO	RITE	CL	SCL	result
3	0	0	0	NO
2	1	0	0	NO
2	0	1	0	NO
2	0	0	1	NO
1	2	0	0	RITE
1	0	2	0	RITE
1	1	1	0	RITE
1	1	0	1	RITE
0	3	0	0	RITE
0	2	1	0	RITE
1	0	1	1	CL
1	0	0	2	CL
0	2	0	1	CL
0	1	2	0	CL
0	1	0	2	CL
0	1	1	1	CL
0	0	3	0	CL
0	0	2	1	CL
0	0	1	2	SCL
0	0	0	3	SCL

4-member board

NO	RITE	CL	SCL	result
4	0	0	0	NO
3	1	0	0	NO
3	0	1	0	NO
3	0	0	1	NO

2	2	0	0	NO
2	0	2	0	RITE
2	1	1	0	RITE
2	1	0	1	RITE
2	0	1	1	RITE
1	3	0	0	RITE
1	2	1	0	RITE
1	2	0	1	RITE
1	1	2	0	RITE
0	4	0	0	RITE
0	3	1	0	RITE
2	0	0	2	CL
1	1	0	2	CL
1	1	1	1	CL
0	3	0	1	CL
0	2	2	0	CL
1	0	3	0	CL
1	0	2	1	CL
1	0	1	2	CL
1	0	0	3	CL
0	2	1	1	CL
0	2	0	2	CL
0	1	3	0	CL
0	1	2	1	CL
0	1	1	2	CL
0	1	0	3	CL
0	0	4	0	CL
0	0	3	1	CL
0	0	2	2	CL

0	0	1	3	SCL
0	0	0	4	SCL

5-member board

NO	RITE	CL	SCL	result
5	0	0	0	NO
4	1	0	0	NO
4	0	1	0	NO
4	0	0	1	NO
3	2	0	0	NO
3	1	1	0	NO
3	1	0	1	NO
3	0	2	0	NO
3	0	1	1	NO
3	0	0	2	NO
2	3	0	0	RITE
2	2	1	0	RITE
2	2	0	1	RITE
2	1	2	0	RITE
2	1	1	1	RITE
2	1	0	2	RITE
1	4	0	0	RITE
1	3	1	0	RITE
1	3	0	1	RITE
1	2	2	0	RITE
1	2	1	1	RITE
0	5	0	0	RITE
0	4	1	0	RITE
0	4	0	1	RITE
0	3	2	0	RITE
2	0	3	0	RITE
2	0	2	1	RITE
1	1	3	0	RITE
1	2	0	2	CL
0	3	1	1	CL
2	0	1	2	CL
2	0	0	3	CL
1	1	2	1	CL
1	1	1	2	CL
1	1	0	3	CL
1	0	4	0	CL
1	0	3	1	CL
1	0	2	2	CL
1	0	1	3	CL
0	3	0	2	CL
0	2	3	0	CL
0	2	2	1	CL
0	2	1	2	CL
0	2	0	3	CL
0	1	4	0	CL
0	1	3	1	CL
0	1	2	2	CL
0	1	1	3	CL
0	0	5	0	CL
0	0	4	1	CL
0	0	3	2	CL
1	0	0	4	SCL
0	1	0	4	SCL
0	0	2	3	SCL
0	0	1	4	SCL
0	0	0	5	SCL

6-member board

NO	RITE	CL	SCL	eredmény
6	0	0	0	NO
5	1	0	0	NO
5	0	1	0	NO

5	0	0	1	NO
4	2	0	0	NO
4	1	1	0	NO
4	1	0	1	NO
4	0	2	0	NO
4	0	1	1	NO
4	0	0	2	NO
3	3	0	0	NO
3	2	1	0	RITE
3	2	0	1	RITE
3	1	2	0	RITE
3	1	0	2	RITE
3	1	1	1	RITE
3	0	3	0	RITE
3	0	2	1	RITE
3	0	1	2	RITE
2	4	0	0	RITE
2	3	1	0	RITE
2	3	0	1	RITE
2	2	2	0	RITE
2	2	1	1	RITE
2	2	0	2	RITE
2	1	3	0	RITE
2	1	2	1	RITE
1	5	0	0	RITE
1	4	1	0	RITE
1	4	0	1	RITE
1	3	2	0	RITE
1	3	1	1	RITE
1	2	3	0	RITE
0	6	0	0	RITE
0	5	1	0	RITE
0	5	0	1	RITE
0	4	2	0	RITE
2	0	4	0	RITE
3	0	0	3	CL
2	1	1	2	CL
2	1	0	3	CL
1	3	0	2	CL
1	2	2	1	CL
0	4	1	1	CL
0	4	0	2	CL
0	3	3	0	CL
2	0	3	1	CL
2	0	2	2	CL
2	0	1	3	CL
2	0	0	4	CL
1	2	1	2	CL
1	2	0	3	CL
1	1	4	0	CL
1	1	3	1	CL
1	1	2	2	CL
1	1	1	3	CL
1	1	0	4	CL
1	0	5	0	CL
1	0	4	1	CL
1	0	3	2	CL
1	0	3	2	CL
1	0	2	3	CL
1	0	1	4	CL
0	3	2	1	CL
0	3	1	2	CL
0	3	0	3	CL
0	2	4	0	CL
0	2	3	1	CL
0	2	2	2	CL
0	2	1	3	CL
0	2	0	4	CL

0	1	5	0	CL
0	1	4	1	CL
0	1	3	2	CL
0	1	2	3	CL
0	1	1	4	CL
0	0	6	0	CL
0	0	5	1	CL
0	0	4	2	CL
0	0	3	3	CL
1	0	0	5	SCL
0	1	0	5	SCL
0	0	2	4	SCL
0	0	1	5	SCL
0	0	0	6	SCL

7-member board

NO	RITE	CL	SCL	eredmény
7	0	0	0	NO
6	1	0	0	NO
6	0	1	0	NO
6	0	0	1	NO
5	2	0	0	NO
5	1	1	0	NO
5	1	0	1	NO
5	0	2	0	NO
5	0	1	1	NO
5	0	0	2	NO
4	3	0	0	NO
4	2	1	0	NO
4	2	0	1	NO
4	1	2	0	NO
4	1	1	1	NO
4	1	0	2	NO
4	0	3	0	NO
4	0	2	1	NO
4	0	1	2	NO
4	0	0	3	NO
3	4	0	0	RITE
3	3	1	0	RITE
3	3	0	1	RITE
3	2	2	0	RITE
3	2	1	1	RITE
3	2	0	2	RITE
3	1	3	0	RITE
3	1	2	1	RITE
3	1	1	2	RITE
3	1	0	3	RITE
3	0	4	0	RITE
3	0	3	1	RITE
2	5	0	0	RITE
2	4	1	0	RITE
2	4	0	1	RITE
2	3	2	0	RITE
2	3	1	1	RITE
2	3	0	2	RITE
2	2	3	0	RITE
2	2	2	1	RITE
2	2	1	2	RITE
1	6	0	0	RITE
1	5	1	0	RITE
1	5	0	1	RITE
1	4	2	0	RITE
1	4	1	1	RITE
1	4	0	2	RITE
1	3	3	0	RITE
1	3	2	1	RITE
0	7	0	0	RITE

0	6	1	0	RITE
0	6	0	1	RITE
0	5	2	0	RITE
0	5	1	1	RITE
0	4	3	0	RITE
3	0	2	2	RITE
2	1	4	0	RITE
2	1	3	1	RITE
2	0	5	0	RITE
1	2	4	0	RITE
2	2	0	3	CL
1	3	1	2	CL
1	3	0	3	CL
0	5	0	2	CL
0	4	2	1	CL
3	0	1	3	CL
3	0	0	4	CL
2	1	2	2	CL
2	1	1	3	CL
2	1	0	4	CL
2	0	4	1	CL
2	0	3	2	CL
2	0	2	3	CL
2	0	1	4	CL
2	0	0	5	CL
1	2	3	1	CL
1	2	2	2	CL
1	2	1	3	CL
1	2	0	4	CL
1	1	5	0	CL
1	1	4	1	CL
1	1	3	2	CL
1	1	2	3	CL
1	1	1	4	CL
1	1	0	5	CL
1	0	6	0	CL
1	0	5	1	CL
1	0	4	2	CL
1	0	3	3	CL
1	0	2	4	CL
1	0	1	5	CL
0	4	1	2	CL
0	4	0	3	CL
0	3	4	0	CL
0	3	3	1	CL
0	3	2	2	CL
0	3	1	3	CL
0	3	0	4	CL
0	2	5	0	CL
0	2	4	1	CL
0	2	3	2	CL
0	2	2	3	CL
0	2	1	4	CL
0	2	0	5	CL
0	1	6	0	CL
0	1	5	1	CL
0	1	4	2	CL
0	1	3	3	CL
0	1	2	4	CL
0	1	1	5	CL
0	0	7	0	CL
0	0	6	1	CL
0	0	5	2	CL
0	0	4	3	CL
1	0	0	6	SCL
0	1	0	6	SCL
0	0	3	4	SCL

0	0	2	5	SCL
0	0	1	6	SCL
0	0	0	7	SCL

*RECOMMENDATION

for the evaluation of the doctoral thesis

- The novelty, topicality, scientific and economic importance of the subject of the thesis.
- Does the essay meet the formal requirements?
- The structure of the essay.
- Are the tables and figures in the essay clear and concise?
- Are the bibliographic references correct?
- The style of the essay.
- The appearance of the essay.
- The quality of processing technical literature.
- Does it include the most important scientific background on the subject, in particular a full review of the Hungarian literature and the "alma mater"?
- Has the candidate critically and analytically reviewed the literature on the topic?
- Did the candidate rely on known scientific results when formulating the experimental objectives?
- The modernity and reliability of the test methods used in the experiments. Is the chosen methodology suitable for testing the objectives?
- The quality of the processing of the experimental results, the mathematical-statistical evaluation of the results.
- The validity of the conclusions drawn from the experimental results.
- Does the candidate compare his/her own results with the literature (discourse)?
- The candidate's publication activity related to the dissertation.
- Does the thesis contain new scientific results? Which of the candidate's findings does the opponent recognise as new

***Supporting documents**

We confirm that.....(name/maiden name)

..... PhD student at the University of Debrecen

.....

have met the following conditions in the doctoral school:

- 1) obtained a pre-degree certificate
- 2) has publications that meet 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 "supporting document" must be accompanied by a list of publications in the field of the research topic that the candidate intends to include in the thesis booklet of the doctoral (PhD) thesis and the status of the doctoral (PhD) thesis before the thesis booklet is bound.
- 5) has a record of the outcome of an institutional discussion
- 6) submitted the doctoral thesis and dissertation in accordance with the University Doctoral Regulations and the requirements of the doctoral school
- 7) details of the candidate's scientific activity at the time of defense:

	I agree	I disagree, I object to the following point(s)	Date
Supervisor			
Head of Doctoral School			
ADT President			