ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY

ÓBUDA UNIVERSITY

INNOVATION MANAGEMENT DOCTORAL SCHOOL

(IMDI)

TRAINING PLAN

Approved: EDHT Decision No 83

BUDAPEST

13 June 2022.

Table of contents

1 PREAMBULUM

Relevant laws and EDHA references, abbreviations:

1) Act CCIV of 2011 on National Higher Education (NFTV)
2) The Doctoral and Habilitation Regulations of Óbuda University (EDHSZ)
3) Study and Examination Regulations of Óbuda University (TVSZ)
4) The University of Óbuda's Employment Requirements Framework (ERF)
5) The Intellectual Property Management Regulations of Óbuda University (IPMR)
6) Rules of Procedure of the Doctoral School of Innovation Management
7) Government Decree No. 387/2012 (XII. 19.) on doctoral schools, the order of doctoral procedures and habilitation
8) 1229/2012 (VII.6.) Korm. határozat On the tasks related to the introduction of the Hungarian Qualifications Framework and on the establishment and introduction of the National Qualifications Framework, pursuant to Government Decision No.1004/2011 (I. 14.) m
9) Standard Classification of Occupations (FEOR-08)
10) The MAB's accreditation requirements and professional evaluation criteria (ABSZ) in the assessment of the establishment and operation of doctoral schools
11) MAB Decision 2014/4/IV (amendment of Decision 2013/6/III/1)

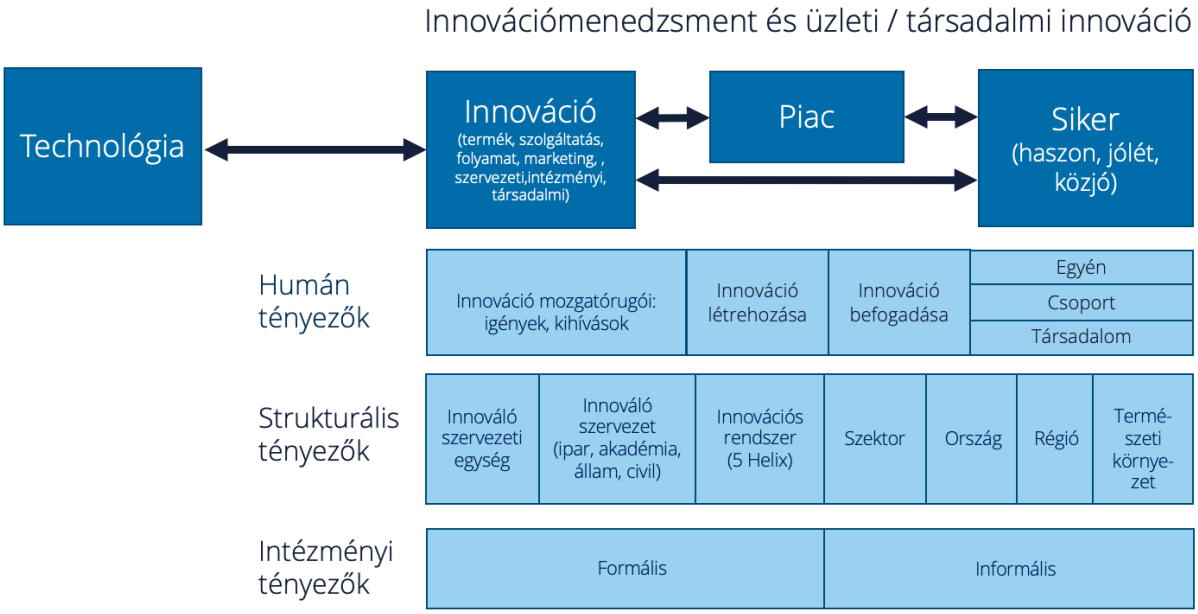
2 GENERAL DATA

Name and address of the institution: Óbuda University (address: 1034 Budapest, Bécsi út 96/b)
The name of the doctoral school is Innovation Management Doctoral School (IMDI)
Short name of the doctoral school: IMDI
Host faculty: the Keleti Károly Faculty of Economics
Field of science: social sciences
Field: management and organisation sciences
Type of training: doctoral (PhD)
Title of the degree awarded
in English: PhD, Business and Management Sciences
in English: PhD, Business and Management
Training objective: to prepare professionals to obtain an academic degree, to develop research, presentation and teaching skills to promote the market uptake and success of innovations
Duration: 8 semesters
Training language: hungarian
Type of course: full-time and part-time, or individual training according to the timetable
Funding: Hungarian state or other scholarships, self-financed, "Cooperative Doctoral Training"
Admission requirements: a Master's degree (MA/MSc) or equivalent with at least a good grade, a state-recognised or equivalent language examination in English with a grade of at least "C", submission of a research plan, successful entrance examination (evaluation of professional preparation and previous scientific work - e.g. TDK, conference presentation, publication). 60 out of the maximum 100 points available during the admission procedure are required for admission.
Completion of the course: diploma, number of credits required: 240
Doctoral school curricula: the doctoral school provides specialisation through compulsory electives and research topics. The subjects taught are structured around professional knowledge and methodological skills.
Credit modules: study credits, research credits (including publication credits), teaching credits.
Student administration: as a general rule, the academic administrator of the doctoral school is responsible for the administration of student affairs and the provision of information on training. Requests for publication credit clearance and student requests for a decision of the Doctoral School Council (DIT) must be submitted to the academic administrator and addressed to the Secretary of the Doctoral School with the approval of the subject leader.

3 INTRODUCTION TO DOCTORAL TRAINING

3.1 THE CONCEPTUAL FRAMEWORK FOR DOCTORAL TRAINING

IMDI teaches and researches the structural, institutional and human factors of market access and success of innovations through a theoretical and methodological approach to social science, more narrowly management and organisation.



3.2 INPUT CRITERIA FOR DOCTORAL TRAINING

IMDI offers applicants with a Master's degree or equivalent in any discipline the opportunity to obtain a PhD degree in Management, Innovation Theory and Business/Social Innovation with a focus on Business and Management Sciences, which is the highest level of competence corresponding to the 8th degree of the Hungarian Qualifications Framework, in order to lay the foundation for the market introduction and success of innovations. The admission requirements and the admission procedure are described in point 3.1 of the IMDI Rules of Procedure. An application form can be found in Annex 2.

IMDI offers the opportunity to obtain a doctoral degree both for those in postgraduate science education in higher education and for those pursuing individual careers in industry, the public or civil sectors.

In the case of applicants who do not have a master's degree in the field of management and organisation sciences (medical and health sciences, agricultural, technical, electrical engineering, etc.), the DIT will examine the content of their previous studies, professional and managerial experience and academic activity in management and organisation sciences, as evidenced by appropriate documentation, and may require the inclusion of egalitarian subjects that provide the knowledge required for doctoral studies in management and organisation sciences. With the agreement of the subject supervisor, the doctoral student may take the egalisation courses from the compulsory and optional courses of the doctoral school (see point 3.7) and from the compulsory or compulsory elective courses of the Master's degree in Business Development of the Faculty of Business Administration and Management (Annex 3) or the correspondence course (available here), up to a maximum of 20 credits, which do not count

towards the number of credits required for the award of the diploma. The required equalisation study requirements must be set out in an individual study agreement.

3.3 TRAINING OUTCOME OBJECTIVES OF THE IMDI

In accordance with the objectives of IMDI and the Hungarian Qualifications Framework (MKKR) degree 8 - as stipulated in Government Decision 1229/2012 (VII.6.) - the competences of the IMDI doctoral degree holder in the field of management and organisation science in terms of management and business / social innovation, which underpin the market introduction and market success of innovations, are as follows.

3.3.1. Knowledge

Possesses a research-level knowledge of the directions, interfaces, agreed and contested contexts, conceptual framework and terminology of management and organisation science.
Possess the research methodological skills necessary for the independent investigation of applied and theoretical research questions in the areas of management and business/social innovation that underpin the market uptake and success of innovations.

3.3.2. Capabilities

Ability to creatively analyse practical and theoretical issues of management and business/social innovation that underpin the market uptake and success of innovations; to comparatively and critically evaluate and formulate and communicate new contexts relevant to individual, economic and social issues.
Ability to apply and develop management and business/social innovation methods in practice, to put new theories into practice, to identify unforeseen professional problems and to explore the theoretical and practical background for their research and solution.
Ability to design, implement, independently research, develop new techniques and approaches for management and business/social innovation projects that underpin the market take-up and success of innovations.

3.3.3. Attitudes

You will have the interest and learning capacity to identify and solve the currently opaque and unpredictable research problems in management and organisational science more broadly, including management and business/social innovation, which underpin the market uptake and success of innovations.
He works with perseverance, with a strong professional commitment, looking for new ways of doing things.
It represents, develops and transmits the individual and community attitudes, values and behaviours that underpin the market take-up and success of innovations.

3.3.4. Autonomy and responsibility

It builds and initiates new areas of knowledge and new practices with creative autonomy.
It is able to formulate and address theoretical and practical issues in high-level cooperation and leadership roles with industrial, academic, public and civil actors in the innovation ecosystem.
Ability to play an equal role as a discussion partner with actors in the innovation ecosystem and with experts in the field.
Take responsibility for raising and answering new ethical questions about the management and business/social innovation that underpin the market take-up and success of innovations.

3.4 THE STRUCTURE OF DOCTORAL TRAINING

3.4.1. Language of doctoral studies

Doctoral studies are conducted in Hungarian.

3.4.2. Forms of organised doctoral training

IMDI offers the following forms of organised doctoral training in accordance with Article 15 of the EDHSZ:

- organised, full-time, full-time training with a public scholarship;
- self-financed, full-time, full-time organised training;
- part-time part-time part-time part-time part-time organised training.
- "Co-operative Doctoral Training" supported by the state with an additional grant.

According to Article 16 of the EDHSZ and the relevant legislation, the doctoral programme organised by IMDI is 8 semesters long, during which the student must complete 240 credits.

3.4.3. Stages of structured doctoral training

The doctoral programme is divided into two phases: the first four semesters are the "training and research" phase, and the fifth to eighth semesters are the "research and dissertation" phase. At the end of the fourth semester, at the end of the training and research phase and as a prerequisite for the start of the research and dissertation phase, a complex examination (see point 3.10) is taken to measure and evaluate the progress made in the study and research. During the first semester of the structured training, the student must prepare a Work Plan under the guidance of the supervisor (see point 3.2 and Annex 4 of the Rules of Procedure).

3.4.4. Individual degree acquisition

In the individual degree course, the student prepares and defends the thesis individually. An application for an individual degree may be submitted to the Head of the IMDI in accordance with the requirements of Article 19 of the EDHSZ, provided that the applicant

a) has a Master's degree or equivalent (Article 19 of the EDHSZ);
b) met the language requirements for admission (EDHSZ § 19);
c) 20 credits of publications in peer-reviewed journals in the field of management and organisation, as recorded in the MTMT

The individual degree is awarded on completion of a complex examination. Individual candidates are not obliged to obtain credits, but may request a subject supervisor (Article 21 of the EDHSZ). The other requirements for application and obtaining a doctoral degree are the same as for structured training (Article 23 of the EDHSZ).

3.4.5. Conditions for obtaining a doctorate

The requirements for the award of the doctoral degree according to the EDHSZ 23§ are:

- Taking the complex exam

- Obtaining an absolute diploma
- Meeting language requirements
- Meeting publication requirements
- Doctoral thesis (presentation of an independent solution to a scientific or innovative problem)
- Summarising the thesis (independent scientific results) of the doctoral thesis in a thesis booklet and defending it in public debate

3.5 THE IMDI CREDIT SYSTEM

As a general rule, the acquisition of one credit requires 30 hours of work (e.g. consulting, studying, research, teaching, preparation, etc.) on the part of the student. The general rules on credits in doctoral studies are set out in the Doctoral Credit Regulations of Óbuda University [Appendix D2 of the University Doctoral and Habilitation Regulations].
From the second semester onwards, registration in organised courses is conditional on the completion of the total number of credits required and the 10 research credits that can be obtained through the semester report (see point 3.8).

3.5.1. Credits to be completed during the training and research phase

Credit type		Semester				Total
		1	2	3	4	
Study (training)	**Total**					**32-60**
	Required					*24*
	Compulsory option					*8*
	Optional					*0-28*
Research	**Total**	**≥ 10**	**≥ 10**	**≥ 10**	**≥ 10**	**≥ 50**
	Half-yearly report	*10*	*10*	*10*	*10*	*40*
	Research project	*0 / 6-10*	*0 / 6-10*	*0 / 6-10*	*0 / 6-10*	*0-40*
	Publication					*≥ 10*
Education	**Total**	**0-5**	**0-5**	**0-5**	**0-5**	**0-20**
The condition for registration		**-**	**20**	**45**	**75**	

Students who have acquired at least 90 credits during the training and research phase (Article 24 of the Code of Conduct for Doctoral Studies), who have fulfilled the language requirements for the doctoral degree (Article 26 of the Code of Conduct for Doctoral Studies) and who have completed at least 10 credits of publication activity may apply for the complex examination in organised training.

3.5.2. Credits to be completed during the research and dissertation phase

Credit type		Semester				Total
		5	6	7	8	
Research	**Total**	**≥ 10**	**≥ 10**	**≥ 10**	**≥ 10**	**≥ 105**
	Half-yearly report	*10*	*10*	*10*	*10*	*40*
	Research project	*0 / 6-10*	*0 / 6-10*	*0 / 6-10*	*0 / 6-10*	*0-40*
	Publication					*≥ 65*
Education	**Total**	**0-5**	**0-5**	**0-5**	**0-5**	**0-20**
The condition for registration		**90**	**110**	**150**	**180**	

To obtain a diploma, the student must complete 240 credits over the 8 semesters (Article 16 of the EDHSZ).

3.5.3. Study credits

Compulsory and compulsory electives are the main profile of the course, worth 8 credits/course. Optional subjects are worth 4 or 5 credits.
In accordance with Annex D2 of the EDHSZ, students can complete 32 credits (100%) of the 32 credits of study credits available in compulsory and compulsory elective subjects by equivalent subjects, and a maximum of 28 credits in optional subjects by transfer or partial transfer or by prior completion. Study credits are certified by the IMDI study administrator (Annex 4)
Based on the doctoral student's application, DIT may accept formal or non-formal training in the workplace, in accordance with the IMDI training conceptual framework, as prior performance. The application must be submitted to the IMDI Secretary with the approval of the subject leader. The application shall be accompanied by a certificate of completion of the training and documentation of the training, which shall indicate the duration of the work input, the professional content of the training and the level of competence of the output. The DIT may accept 1 credit for every 30 hours of work as prior learning if the professional content of the training is in the field of management and organisation and the level of competence is equivalent to that required for doctoral studies. The credits accepted as prior learning shall be specified in the individual study agreement with the doctoral student.
Pursuant to Section 53 (3a) of the NFTV, students preparing for doctoral studies may take the IMDI courses already in the final year of their Master's studies. The credits thus obtained are recognised by the IMDI as prior learning in the case of successful admission.

3.5.4. Research credits

A minimum of 155 research credits must be completed during the course. Of these, 80 credits can be completed through compulsory semester reports. The value of an accepted term report is 10 credits. The procedure and requirements for the mid-term report are described in section 3.9.
6-10 credits per semester may be awarded for other research work (research project) outside the research topic, based on the proposal and written confirmation of the topic supervisor and the research supervisor. The credits for the research project may be obtained by students by

partial attendance (transfer) or by prior completion, as specified in Annex D2 of the DTS. The form for the certification of research projects is available here (Annex 5)
Based on the doctoral student's application, the DIT may also accept as prior performance the doctoral student's participation in workplace research and development, or activities related to innovation management or business/social innovation. The application must be submitted to the IMDI Secretary with the approval of the subject leader. The application must be accompanied by a certificate from the employer stating the duration, professional content and level of responsibility of the work undertaken. For work experience of at least 20 hours per week, 8 credits per semester of prior work experience may be awarded for a job corresponding to FEOR-08, group 1, 2 credits for a job corresponding to FEOR-08, group 2, 2 credits for a job corresponding to FEOR-08, group 3. The credits accepted as prior learning shall be specified in the individual study agreement with the doctoral student.
Publication credits are part of the research credits. The accounting system for publication credits is described in Annex 1. The minimum number of publication credits to be completed during the training course is 75, of which at least 10 publication credits are expected to be completed during the training and research phase. The evaluation of publication performance is based on the student's data recorded in the Hungarian Scientific Works Repository (MTMT). The publication credits are certified by the IMDI Secretary (Annex 6).

3.5.5. Education credits

It is not a prerequisite for the award of the diploma or degree that the doctoral student has to be engaged in teaching activities, and the IMDI does not require a minimum number of teaching credits. The maximum number of credits per semester for teaching activities is 5 (maximum total 20) for the training and research phase and 10 (maximum total 40) for the research and dissertation phase. For a full semester course/seminar, 1 credit may be awarded for 1 teaching hour (or equivalent) per week, taking into account the preparation time, and 2 credits for courses requiring significant theoretical preparation (e.g. curriculum development, updating). For individual theoretical lectures which complement the training of the OU and require significant (~15 hours) preparation on the part of the doctoral student, 0.5 credit per lecture (at least 45 minutes) may be awarded. The teaching activity is jointly certified by the head of the department responsible for teaching and the subject supervisor of the subject taught.
The individual consulting activities of doctoral students participating in undergraduate or master's degree programmes related to talent management and the education of young academics (e.g. scientific student circle or thesis topic supervision) can be counted as educational credits based on the proposal of the topic supervisor. The credit value will be determined individually on the basis of the time spent in consultation and preparation. The basic principle is that 1 credit is awarded for 30 hours of work (15 hours of consultation + 15 hours of preparation) (Annex 7).
In accordance with Annex D2 of the EDHSZ, a student may complete an educational credit by partial attendance (transfer) or by prior completion.
On the basis of the doctoral candidate's application, the DIT may accept as prior performance teaching activities in the framework of formal or informal training organised by a higher education institution or other employer, provided that the professional content of the training fits within the conceptual framework of IMDI training, is related to management and organisation and the level of competence corresponds to that expected in higher education. The application must be submitted to the IMDI Secretary with the approval of the subject leader. The application must be accompanied by a certificate of the teaching activity and documentation of the training, which must indicate the duration of the work input, the professional content of the training and the level of competence of the output. The DIT may accept 1 study credit for every 30 hours of input as prior learning. The number of teaching

credits accepted as prior learning shall be specified in the individual study agreement with the doctoral student.

3.6 THE CURRICULAR NETWORK OF THE DOCTORAL SCHOOL

During the training and research phase, students must complete one compulsory course per semester. One of the compulsory subjects is optional (compulsory) according to the student's subject description. In addition, students may take optional subjects up to the maximum number of credits.

Subject	Credit / semester			
	1	2	3	4
Compulsory subject	8	8	8	
Compulsory subject				8
Optional subject	0-28			

3.7 THE SUBJECTS OF THE DOCTORAL SCHOOL

The compulsory, compulsory elective and optional subjects of the doctoral school are grouped around subject areas and methodological knowledge. The following list gives the titles, credit values and responsibilities of the subjects. A detailed description of the subjects is given in Annex 9.

Courses are advertised in the Neptun system, which is managed by the DI administrator. As a general rule for the announcement of subjects, the DI will ensure that compulsory and compulsory elective subjects are announced once each academic year, so that students can take one compulsory / compulsory elective subject per semester and complete the three compulsory and one compulsory elective subject during the training and research period. The electives are offered in both the autumn and spring semesters, with a minimum of 5 students enrolled in a course, and fewer students enrolled in a course in the form of individual consultations.

The DI tries to provide flexibility in its curricular network for doctoral students, bearing in mind that applicants to the DI can come from a wide range of backgrounds and with specific needs. The curricular position of each subject may vary within the academic year and no pre-study requirements have been set.

Compulsory subjects

Subject / semester		Credit	Responsible (instructor)
Specialist knowledge	Innovation theories, innovation management and innovation policy	8	Zsombor Zrubka, PhD (István Szabó, PhD)
	Economic and management theories	8	Prof. Dr. Péter Karácsony [1] (Dr. Prof. Dr. Katalin György Takácsné, Dr. habil Garai-Fodor Mónika)

[1] appointment as university professor from 2022.09.01

Methodological knowledge	Research methodology and scientific writing	8	Prof. Dr. Márta Péntek [2] (Prof. Dr. László Gulácsi)

Compulsory subjects

Subject (second year spring semester)		Credit	Responsible
Specialist knowledge	Project management in an agile environment	8	Dr. habil Ágnes Csiszárik-Kocsir
	Innovative financial solutions	8	Dr. habil Ágnes Csiszárik-Kocsir
	Change management and organisational culture	8	Dr. János Varga, PhD
	Economic theories and models: innovation and management	8	Prof. Dr. József Fogarasi
	Management of innovation in healthcare	8	Prof. Dr. László Gulácsi (Dr. Zsombor Zrubka PhD, Prof. Dr. Márta Péntek)[3]
	Innovation management in agriculture	8	Dr habil Mónika Garai-Fodor
	Technical reliability testing and its role in the innovation process	8	Prof. Dr. László Pokorádi
Methodological knowledge	Testing statistical hypotheses for innovative development in the health industry	8	Prof. Dr. Márta Takács
	Marketing research methods and practices	8	Dr habil Mónika Garai-Fodor
	Biostatistics	8	Dr. Zsombor Zrubka, PhD (Dr.habil Tamás Ferenci)

[2] MTA doctoral thesis in April 2022
[3] MTA doctoral thesis in April 2022

Elective subjects - specialised knowledge

Subject	Credit	Responsible
Businesses in an innovative environment	5	Dr. Mrs Takács Prof. Dr. Katalin György
Business competitiveness and innovation	5	Dr. Mrs Takács Prof. Dr. Katalin György
Marketing strategy in organisational and consumer markets	5	Dr habil Mónika Garai-Fodor
Financial analysis: examining the financial risks of innovative businesses	5	Prof. Dr. István Takács
Health technology analysis, evaluation of innovative health products and services	5	Prof. Dr. László Gulácsi
Costing in health care, financing health products and services	5	Prof. Dr. László Gulácsi
The human side of innovation	5	Prof. Dr. Péter Karácsony [4] (Dr. habil Piricz Noémi)
Innovative design thinking (Design Thinking)	5	Dr. Edit Csanák, DLA
Clinical evaluation of innovative health technologies: measuring and assessing health gains	5	Prof. Dr. Márta Péntek[5]
Innovation theory and management in the health industry	5	Dr. Zsombor Zrubka, PhD (Dr. Tamás Haidegger, PhD)
Strategic management of intellectual property	5	Dr. Miklós Weszl, PhD

Elective subjects - Methodological skills

Subject	Credit	Responsible
Numerical modelling and optimisation of industrial processes in an innovation environment	5	Prof. Dr. Imre Felde [6]
Modern methods for estimating efficiency and productivity	5	Prof. Dr. József Fogarasi
Econometrics for advanced learners I.	5	Dr. Zoltán Bakucs, PhD
Econometrics for advanced learners II.	5	Dr. Zoltán Bakucs, PhD

[4] appointment as university professor from 2022.09.01
[5] MTA doctoral thesis in April 2022
[6] appointment as university professor from 2022.09.01

Synthesis of scientific evidence: systematic literature review and evaluation	5	Prof. Dr. Márta Péntek[7] (Prof. Dr. László Gulácsi)
Quantitative synthesis of scientific evidence in health, meta-analysis	5	Dr. Zsombor Zrubka, PhD
Health economics pre-decision modelling	5	Dr. Zsombor Zrubka, PhD
Product development and intellectual property protection	5	Dr. Dénes Legeza, PhD
Decision support and innovative IT solutions	5	Ágnes Dr. habil Szeghegyi
Innovative qualitative research methodology and analysis	5	Dr. Anikó Kelemen-Erdős, PhD
Applied Python programming	5	Dr. Gábor Kertész, PhD
Applied Artificial Intelligence	5	Dr. Gábor Kertész, PhD
Research publication skills	5	Prof. Dr. László Gulácsi (László Berek)
Modelling innovation processes using soft computing methods	5	Prof. Dr. Márta Takács
The impact of risk management on farming productivity	5	Prof. Dr. József Fogarasi
Venture capital and financing innovation	5	Dr. József Berecz, PhD
Risk assessment and testing of medical devices	5	Prof. Dr. Miklós Kozlovszky
Developing innovative medical device prototypes in practice	5	Prof. Dr. Miklós Kozlovszky

3.8 HALF-YEARLY REPORTS

The IMDI requires participants in the organised training to submit a semesterly report each semester, which is assessed by a DIT-appointed evaluation committee, mostly composed of DIT members, with a two-step pass/fail rating. The mid-term report consists of a written and an oral part.

[7] MTA doctoral thesis in April 2022

3.8.1. Purpose of the semi-annual reports

that the doctoral student

a) provide an account of their performance during the semester, documenting their academic, research and teaching credits, research, publications and other relevant achievements, which will be used by the evaluation committee to judge whether the student's performance meets the requirements of the IMDI course;
b) reflect on their development in the framework of the training competences (knowledge, attitudes, research skills, autonomy and responsibility);
c) receive feedback from your subject leader on your performance and the development of your competences during the semester;
d) set academic/research and personal development goals for the next semester;
e) develop your presentation and research management skills;

and IMDI management receive written feedback on the effectiveness and quality of the training. Significant deviations from the work plan must be reported to the Head of IMDI in accordance with point 3.3 (§ 10) of the Operational Rules.

3.8.2. Written part

The written report contains a concise factual summary of the literature, studies and research activities undertaken during the semester, the student's self-evaluation, the written feedback of the supervisor, and the study, research, publication and personal development plan for the following semester approved by the supervisor, including the financial, material and human resource requirements and the resources available to fulfil the research plan.

The written report will also include all applications and certificates required for the accounting of study, teaching and research credits completed during the semester, including a detailed summary of the student's publication activity (based on the data recorded in the MTMT database).

The written report must be prepared in the language of the training, according to the template in Annex 8, and must be submitted by the deadline given at the time of registration, at least 5 working days before the oral part.

3.8.3. Oral part

The student will report to the evaluation committee in a 15-minute individual presentation in the language of the course, in an open seminar or conference.

a) progress on your research topic during the semester;
b) research activities planned for the next semester;
c) the publication activities planned for the next semester;
d) individual development goals for the next semester.

Following the report, the supervisor will give oral feedback on the performance and progress of the doctoral student, the evaluation committee may ask questions about the content of the written and oral reports, and may request a supplementary report to verify the performance.

Within three working days after the oral report, the evaluation committee will (conditionally in case of a deficiency) recommend the number of credits completed during the semester (including the 10 research credits that must be completed with the semester report, see 3.5), and send a written report to the student and the DIT. The student must submit the deficiency report to the IMDI Academic Administrator by the last day of the examination period. The DIT decides on the acceptance of the semester report after the end of the examination period. The student may appeal against the decision to the DIT in accordance with the provisions of §§ 12-15 of the Regulations.

3.9 COMPLEX VIZSGA

To enter the research and dissertation phase, students must pass a complex examination. The complex examination consists of a theoretical part and a dissertation part (§§ 24-26 of the DHAEC). The procedure for the complex examination is governed by point 3.3 (§ 10) of the DI Rules of Procedure in the case of organised training and by point 3.4 (§ 11) in the case of individual preparation.
The theoretical part of the complex exam is an oral exam in which candidates are asked questions on two topics.

a) Subject areas of the IMDI compulsory subjects: theories of innovation, innovation management and policy, and theories of business and management (see point 3.7)
b) Compulsory elective course material completed by the student (see point 3.7)

Information on the topics to be covered in the complex examination will be provided to doctoral students when they register for the fourth semester.

3.10 THE DOCTORAL THESIS AND THE THESIS BOOKLET

The conditions, content and formal requirements for the submission of a doctoral thesis are regulated by Articles 27-28 of the EDHSZ and Section 4.2 (Article 14) of the Rules of Procedure.

4 THE MEMBERS OF THE DOCTORAL SCHOOL AND THEIR ACTIVITIES

4.1 THE HEAD OF THE DOCTORAL SCHOOL

Prof. Dr. László Gulácsi DSc, Professor, Vice Rector of the ÓE

4.2 DAYS OF DEATH

*K. - compulsory; Kv. Compulsory; Compulsory - optional
O - instructor, F - responsible

Name	Scientific degree, year, field of science		Educational activities*			Topic-publisher
			Subject K.	Qu. subject	Sv. subject	
Prof. Dr. László Gulácsi	academic degree, title	PhD	O	-	F/O	Yes
	year of degree obtained	2001				
	degree discipline	health sciences				
	name of the degree-granting institution	University of Debrecen, General Medicine Centre,Debrecen				
	academic degree, title	PhD				
	year of degree obtained	2001				
	degree discipline	health sciences				
	name of the degree-granting institution	Department of Social Medicine, University of Amsterdam				
	academic degree, title	PhD				
	year of degree obtained	2002				
	degree discipline	clinical medicine				
	name of the degree-granting institution	Semmelweis University Faculty of General Medicine, Budapest				
	academic degree, title	PhD				
	year of degree obtained	2002				
	degree discipline	economics				
	name of the degree-granting institution	Budapest University of Economics and Public Administration				

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<tr><td>academic degree, title</td><td>Habilitation</td></tr>
<tr><td>year of degree obtained</td><td>2007</td></tr>
<tr><td>degree discipline</td><td>health sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>University of Pécs</td></tr>
<tr><td>academic degree, title</td><td>DSc</td></tr>
<tr><td>year of degree obtained</td><td>2017</td></tr>
<tr><td>degree discipline</td><td>health sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>MTA</td></tr>
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<tr><td>Prof. Dr. Márta Péntek[8]</td><td><table>
<tr><td>academic degree, title</td><td>PhD</td></tr>
<tr><td>year of degree obtained</td><td>2008</td></tr>
<tr><td>degree discipline</td><td>theoretical medicine</td></tr>
<tr><td>name of the degree-granting institution</td><td>Semmelweis University</td></tr>
<tr><td>academic degree, title</td><td>Habilitation</td></tr>
<tr><td>year of degree obtained</td><td>2013</td></tr>
<tr><td>degree discipline</td><td>health sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>University of Pécs</td></tr>
</table></td><td>F/O</td><td>F/O</td><td>F/O</td><td>Yes</td></tr>
<tr><td>Prof. Dr. András Molnár</td><td><table>
<tr><td>academic degree, title</td><td>PhD</td></tr>
<tr><td>year of degree obtained</td><td>2006</td></tr>
<tr><td>degree discipline</td><td>military engineering</td></tr>
<tr><td>name of the degree-granting institution</td><td>Miklós Zrínyi National Defence University</td></tr>
<tr><td>academic degree, title</td><td>Habilitation</td></tr>
<tr><td>year of degree obtained</td><td>2014</td></tr>
<tr><td>degree discipline</td><td>technical sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>Széchenyi István University</td></tr>
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<tr><td>Dr. Mrs Takács</td><td></td><td></td><td>F/O</td><td>F/O</td><td>Yes</td></tr>
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[8] MTA doctoral thesis in April 2022

<table>
<tr><td>Prof. Dr. Katalin György</td><td><table>
<tr><td>academic degree, title</td><td>PhD</td></tr>
<tr><td>year of degree obtained</td><td>1996</td></tr>
<tr><td>degree discipline</td><td>economics</td></tr>
<tr><td>name of the degree-granting institution</td><td>MTA TMB</td></tr>
<tr><td>academic degree, title</td><td>CSc</td></tr>
<tr><td>year of degree obtained</td><td>1996</td></tr>
<tr><td>degree discipline</td><td></td></tr>
<tr><td>name of the degree-granting institution</td><td>MTA</td></tr>
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<tr><td>Prof. Dr. István Takács</td><td><table>
<tr><td>academic degree, title</td><td>PhD</td></tr>
<tr><td>year of degree obtained</td><td>1998</td></tr>
<tr><td>degree discipline</td><td>economics</td></tr>
<tr><td>name of the degree-granting institution</td><td>University of Agricultural Sciences Gödöllő</td></tr>
<tr><td>academic degree, title</td><td>Habilitation</td></tr>
<tr><td>year of degree obtained</td><td>2003</td></tr>
<tr><td>degree discipline</td><td>management and organisation sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>Szent István University</td></tr>
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<tr><td>Prof. Dr. József Abaffy</td><td><table>
<tr><td>academic degree, title</td><td>CSc</td></tr>
<tr><td>year of degree obtained</td><td>1996</td></tr>
<tr><td>degree discipline</td><td>mathematics and computer sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>MTA</td></tr>
<tr><td>academic degree, title</td><td>DSc</td></tr>
<tr><td>year of degree obtained</td><td>2007</td></tr>
<tr><td>degree discipline</td><td>mathematics and computer sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>MTA</td></tr>
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Prof. Dr. József Fogarasi	academic degree, title: PhD year of degree obtained: 2004 degree discipline: management and organisation sciences name of the degree-granting institution: Corvinus University of Budapest			F/O	Yes
Prof. Dr. Imre Felde[9]	academic degree, title: PhD year of degree obtained: 2007 degree discipline: materials sciences and technologies name of the degree-granting institution: University of Miskolc academic degree, title: Habilitation year of degree obtained: 2019 degree discipline: computer sciences name of the degree-granting institution: University of Óbuda			F/O	Yes
Prof. Dr. Péter Karácsony [10]	academic degree, title: PhD year of degree obtained: 2008 degree discipline: multidisciplinary agricultural sciences name of the degree-granting institution: University of West Hungary academic degree, title: Habilitation year of degree obtained: 2013 degree discipline: multidisciplinary agricultural sciences name of the degree-granting institution: University of West Hungary	F/O		F/O	Yes
Dr habil Mónika	academic degree, title: PhD	O	F/O		yes

[9] appointment as university professor from 2022.09.01
[10] appointment as university professor from 2022.09.01

<table>
<tr><td>Garai-Fodor</td><td><table>
<tr><td>year of degree obtained</td><td>2009</td></tr>
<tr><td>degree discipline</td><td>management and organisation sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>Szent István University GSZDI</td></tr>
<tr><td>academic degree, title</td><td>Habilitation</td></tr>
<tr><td>year of degree obtained</td><td>2019</td></tr>
<tr><td>degree discipline</td><td>management and organisation sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>University of Kaposvár GSZDI</td></tr>
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<tr><td>Dr. Zsombor Zrubka, PhD</td><td><table>
<tr><td>academic degree, title</td><td>PhD</td></tr>
<tr><td>year of degree obtained</td><td>2019</td></tr>
<tr><td>degree discipline</td><td>management and organisation sciences</td></tr>
<tr><td>name of the degree-granting institution</td><td>Corvinus University of Budapest</td></tr>
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<tr><td>Dr. István Szabó, PhD</td><td><table>
<tr><td>academic degree, title</td><td>PhD</td></tr>
<tr><td>year of degree obtained</td><td>2018</td></tr>
<tr><td>degree discipline</td><td>economics</td></tr>
<tr><td>name of the degree-granting institution</td><td>University of Miskolc</td></tr>
</table></td><td>O</td><td></td><td>F/O</td><td>Yes</td></tr>
</table>

4.3 NON-FELLOW AUTHORS AND TRAINERS

*K. - compulsory; Kv. Compulsory; Ext. - optional
O - instructor, F - responsible

Name	Scientific degree, year, field of science		Educational activities*			Topic-publisher
			Subject K.	Qu. subject	Sv. subject	
Dr. Zoltán Bakucs, PhD	academic degree, title	PhD			F/O	not
	year of degree obtained	2005				
	degree discipline	management and organisation sciences				
	name of the degree-granting institution	Corvinus University of Budapest				
Dr. József Berecz, PhD	academic degree, title	PhD			F/O	not
	year of degree obtained	1989				
	degree discipline	heavy industry sciences				
	name of the degree-granting institution	Heavy Engineering Technical University				
Dr. Edit Csanák, DLA	academic degree, title	DLA			F/O	not
	year of degree obtained	2009				
	degree discipline	arts and crafts				
	name of the degree-granting institution	Doctoral School of Moholy-Nagy University of the Arts				
Dr. habil Ágnes Csiszárik-Kocsir	academic degree, title	PhD		F/O	F/O	yes
	year of degree obtained	2010				
	degree discipline	management and organisation sciences				
	name of the degree-granting institution	Szent István University				
	academic degree, title	Habilitation				
	year of degree obtained	2017				

	degree discipline	management- organisation sciences				
	name of the degree-granting institution	University of Kaposvár				
Dr. György Eigner, PhD	academic degree, title	PhD				yes
	year of degree obtained	2017				
	degree discipline	computer sciences				
	name of the degree-granting institution	University of Óbuda				
Dr. habil Tamás Ferenci	academic degree, title	PhD		O		yes
	year of degree obtained	2013				
	degree discipline	computer sciences				
	name of the degree-granting institution	University of Óbuda				
	academic degree, title	Habilitation				
	year of degree obtained	2019				
	degree discipline	computer sciences				
	name of the degree-granting institution	University of Óbuda				
Dr. Péter Galambos, PhD	academic degree, title	PhD			F/O	Yes
	year of degree obtained	2013				
	degree discipline	engineering sciences				
	name of the degree-granting institution	Budapest University of Technology and Economics				
Dr. Tamás Haidegger, PhD	academic degree, title	PhD			O	yes
	year of degree obtained	2011				
	degree discipline	electrical engineering				

	name of the degree-granting institution: Budapest University of Technology and Economics				
Dr. Anikó Kelemen-Erdős, PhD	academic degree, title: PhD year of degree obtained: 2014 degree discipline: management and organisation sciences name of the degree-granting institution: Budapest University of Technology and Economics			F/O	yes
Dr. Gábor Kertész, PhD	academic degree, title: PhD year of degree obtained: 2019 degree discipline: computer sciences name of the degree-granting institution: University of Óbuda			F/O	not
Prof. Dr. Miklós Kozlovszky	academic degree, title: PhD year of degree obtained: 2009 degree discipline: electrical engineering name of the degree-granting institution: Budapest University of Technology and Economics academic degree, title: Habilitation year of degree obtained: 2017 degree discipline: computer sciences name of the degree-granting institution: University of Óbuda			F/O	yes
Dr. Dénes Legeza, PhD	academic degree, title: PhD year of degree obtained: 2017 degree discipline: law			F/O	yes

	name of the degree-granting institution: University of Szeged				
Dr. habil Piricz Noémi	academic degree, title: PhD year of degree obtained: 2014 degree discipline: management and organisation sciences name of the degree-granting institution: University of Miskolc academic degree, title: Habilitation year of degree obtained: 2022 degree discipline: management and organisation sciences name of the degree-granting institution: University of Sopron			O	yes
Prof. Dr. László Pokorádi	academic degree, title: CSc year of degree obtained: 1997 degree discipline: engineering sciences name of the degree-granting institution: MTA		F/O		yes
Ágnes Dr. habil Szeghegyi	academic degree, title: PhD year of degree obtained: 1996 degree discipline: computer sciences name of the degree-granting institution: University of Miskolc academic degree, title: Habilitation year of degree obtained: 2016 degree discipline: computer sciences name of the degree-granting institution: Széchenyi István University			F/O	yes
Prof. Dr. Márta Takács	academic degree, title: PhD		F/O		yes

	year of degree obtained: 2009 degree discipline: mathematics and computer sciences name of the degree-granting institution: ELTE RTK academic degree, title: Habilitation year of degree obtained: 2018 degree discipline: computer sciences name of the degree-granting institution: University of Óbuda				
Dr. János Varga, PhD	academic degree, title: PhD year of degree obtained: 2014 degree discipline: management and organisation sciences name of the degree-granting institution: Szent István University		F/O		yes
Dr. Miklós Weszl, PhD	academic degree, title: PhD year of degree obtained: 2017 degree discipline: medicine name of the degree-granting institution: Semmelweis University			F/O	not

5 ANNEX EC

Annex 1 - Scientific Publication Activity Assessment

The publication requirements of the IMDI follow the requirements set out in the D2 Doctoral Credit Regulations of the HESO. In accordance with the IMDI conceptual framework and training objectives, the publication assessment system is designed to be consistent with the academic career development assessment system for management and organisation sciences and to take into account the publication and patenting issues that arise in the case of innovations.

This means that IMDI, when assessing publication activities:

a) for scientific journal articles, it not only uses the impact factor value of the journals (according to Clarivate Analytics), but also applies the Scimago Journal Ranking (SJR)
b) in accordance with the established practice in the field of social sciences, including management and organisation sciences, the journals accepted by the Qualification Committee for Economic Sciences of the IX. division of the Hungarian Academy of Sciences are also included with a certain number of credits
c) in the case of innovations, a high level of detailed scientific publication of the development of a new product may be hindered by intellectual property protection (patent, protection procedure), therefore IMDI will recognise with publication credit if the doctoral candidate has substantially contributed to the development of an innovative product subject to intellectual property protection (patent, protection procedure) during his/her research.

Definition of publication for the evaluation

The IMDI accepts as publications the printed and/or electronic communications detailed below, as well as the forms of protection listed by the MAB ABSZ.

When assessing publication performance, we will take into account print and/or electronic publications (journal articles[11] *, textbooks, scientific monographs, book chapters, etc.) that:*

a) the author presents the results of his/her own research and creative work (in the case of a book, he/she also makes specific reference to them),
b) include precise references to the literature,
c) ISBN or ISSN number,
d) proofread[12] ,
e) referenced (found in a well-known database)[13] ,
f) impact factor depending on the science/art discipline,
(g) it has been published in a trade publication or as a publication, and this publication
h) an internationally or at least nationally listed publisher[14] ,
(i) preferably in a foreign language commonly used in the profession,
j) can be found and accessed in major public libraries,

[11] Periodical: a periodical published regularly, typically at least four times a year (and in any case at least twice a year), with articles written for the periodical in question, and numbered by volume.

[12] Peer-reviewed (referred) publication: the work has been peer-reviewed by an independent editor(s) prior to publication. Acceptance of a conference presentation based on an abstract and publication in a conference publication does NOT constitute peer review.

[13] Referenced publication: the work of the candidate (i.e. all works except book chapters) appears in a searchable database (e.g., Web of Science/Science Citation Index, Scopus, Engineering Index, etc.) or in a refereed journal according to the name of the candidate

14 Domestically published international publication: a publication that has been published in an official, regular, large-circulation publication with international distribution.

k) can be ordered or purchased,
l) a publicly displayed work of art/innovative experimental work.

The following should not be taken into account for the applicant's scientific publication record:
- an article published in a daily newspaper or a non-professional weekly (even if the subject is of a professional nature),
- self-published work (if not peer-reviewed),
- university or college notes, handouts, handouts, example books, compilations, editing, copy editing, etc,
- a short (one-page) paper in a conference publication or poster,
- (Book) translation, except translation of the classics by proofreading,
- a review (book review) or critique (except for a longer analysis of a work),
- a research report produced in response to a call for proposals or a commission,
- thesis, diploma thesis,
- other manuscript-like treatises, papers,
- science writing (e.g. in Life and Science),
- non-research interviews (neither as a reporter nor as an interviewee),
- writing that has not yet been published (planned or "in press"),
- performing arts productions, works of art not presented to the public.

Minimum publication requirements for the degree

A minimum of **75 credits** must be achieved through publications related to the research topic, of which 10 credits must be completed during the first four semesters of the training and research phase.

In addition to the 75 publication credits, the following conditions must be met:

a) The number of publications published or in the process of publication, as evidenced by an editorial or publisher's statement, is at least 5, of which:
b) at least two journal articles published or accepted for publication in internationally recognised peer-reviewed journals in the field.
c) at least one of the two peer-reviewed journal articles in a foreign language must be published in a journal listed in Web of Science, Scopus, IEEE Xplore or Thomson Reuters.
d) A minimum of 36 publication credits must be obtained from the items listed in the highlighted (grey) rows of the "Publication credits" table below, of which a maximum of 18 credits may be obtained from Hungarian-language journal articles.
e) The written consent of the academic subject leader is also required for publication. If a PhD student breaches this requirement, he/she will be legally liable.
f) PhD students in the Cooperative Doctoral Programme may submit any specific scientific or other communication to journals or conferences only with the written permission of the representative of the "corporate expert" employer's company.

Checking **compliance with minimum requirements**
To obtain a diploma, you must have completed 75 publication credits. The fulfilment of the publication requirements stipulated in Article 23 of the EDHSZ as a condition for the award of a doctoral degree is checked twice by the DIT during the degree award procedure:

a) when verifying the publication record required for the award of the degree, after which it will inform the doctoral student whether or not he or she has fulfilled the publication requirements for the degree;
b) when you submit your thesis.

(If the launch of the procedure and the submission of the thesis coincide, the committee will examine the two requirements together.)
The minimum requirements and publication scores provide a benchmark for candidates to assess their publication record and when to initiate a doctoral procedure, and an indicative threshold below which it is not usually recommended that applicants initiate a doctoral procedure. However, it should be noted that the quality of publications is as important as the quantity of publications in the decision to award a degree.
Compliance with the minimum requirements will be checked by the proposer (and, on the basis of the submission, by the DIT) on the basis of the submitted publication list. If the minimum requirements are not met, the application will be rejected by the DIT.

Scoring of publications

Only the data published in the Hungarian Archives of Scientific Works (MTMT) may be taken into account for the assessment of publication activity, as follows:

Credit values for publications

Scientific publications*	**Credit point**
SCIENTIFIC, PEER-REVIEWED JOURNAL ARTICLE	
Study published in a journal with impact factor**	36
Study published in a foreign journal without impact factor**	22
Study published in a national journal without impact factor**	16
Q1 Study published in a Scimago peer-reviewed journal	36
Study published in Q2 Scimago peer-reviewed journal	24
Study published in Q3 Scimago peer-reviewed journal	18
Q4 Study published in Scimago peer-reviewed journal	10
A paper published in a Web of Science Emerging sources journal	18
Hungarian-language journal article included in the list of Hungarian-language journals (categories A and B)	18
Hungarian-language journal article included in the list of Hungarian-language journals (categories C and D)	10
CONFERENCE RESOLUTION (proofread conference article)	
Proofread conference article (min 4 pages) in a publication with ISBN number, in print or electronic format, in a foreign language	24
Proof-read conference article (min 4 pages) in a publication with ISBN number, in print or electronic format, in Hungarian	6
ABSTRACT	
Conference presentation with abstract published in a conference proceedings or journal with ISBN or ISSN in a foreign language	4
Conference presentation with abstract published in a conference proceedings or journal with ISBN or ISSN in Hungarian	3
SCIENTIFIC BOOK, BOOK EXCERPT	
A scientific book or book excerpt (not a conference publication) published abroad in a foreign language and at least 10 pages in length:	24
An academic book or part of a book published in a foreign language in Hungary:	4 credits / 20 full pages
An academic book or part of a book published in Hungarian in Hungary:	2 credits / 20 full pages

PLANT FORMS	
National and international patent forms, utility model protection listed by MAB ABSZ	36 credits

*Communications that have been accepted for publication by the editor/publisher are also considered as published.
**Clarivate Analytics impact factor may be taken into account.

To calculate the credits for publications, the following criteria should be followed:

a) In the case of scientific articles (peer-reviewed journal articles, conference papers, abstracts) and books or book excerpts, the number of credits is divided by the number of non-leading authors. In justified cases, at the discretion of the Council of the Doctoral School, a division according to the proportion of co-authorship stated in the co-authorship statement may be applied, in which case the co-authorship of the subject leader shall be disregarded.
b) If the peer-reviewed journal article has been published in a journal (or is in the process of publication as evidenced by an editor or publisher's statement) for which credit can be assigned on the basis of both impact factor and SJR (according to Clarivate Analytics), the credit point will be determined on the basis of the more favourable rating for the candidate.
c) If the SJR assigns a different classification to the journal in which the scientific article has been published (or is in the process of publication as evidenced by an editorial or publishing statement), the credit point will be determined on the basis of the classification that is more favourable to the candidate.
d) The IF value and the SJR classification are based on the last classification known at the time of acceptance of the communication or on the value determined at the time of publication.
e) Based on the decision of the Council of the Doctoral School, publication credits may include scientific publications in journals recognised by other committees of Division IX of the MTX or other divisions of the Hungarian Academy of Sciences.
f) Before starting the procedure (even when submitting the publication), the candidate may request the IMDI Doctoral School Council's opinion on the classification of the publication.
g) Published patent or utility model applications (and those recorded in the MTMT) of which the doctoral candidate is the sole or joint inventor may count towards the fulfilment of the publication requirements and credits. The following conditions apply for the credit to be counted towards publication fulfilment:
    - one published patent or utility model application worth 36 publication credits
    - a maximum of 36 publication credits can be completed in the course of the training with published forms of protection
    - the doctoral candidate is exempted from the publication of one journal article out of the "at least two articles published or accepted for publication in an internationally recognised peer-reviewed journal in the field of specialisation" criterion defined in point b) of the minimum publication requirements
    - "Minimum 36 publication credits to be completed with the items listed in the highlighted (grey) rows of the "Publication credits" table below, of which a maximum of 18 credits can be obtained with a Hungarian-language journal article", as defined in point d) of the minimum publication requirements. the following conditions are waived for doctoral candidates

Annex 2 - Application form for doctoral (PhD) studies

Name: .....
Birth name:.....
Place of birth: .....
Date of birth:.....
Mother's maiden name: .....
Nationality: .....
Permanent address:.....
Residence/notification address: .....
Phone number: ..... E-mail address: ..... Website address: .....

Work location: .....
Work address: .....
Work telephone number: .....
Occupation/Position: .....

Which university did you study at (university/city/country)?
.....
.....
University/MA/MSc degree number: .....
Date of the diploma: .....
Qualification of the diploma:.....
Subject(s): .....

Language skills:
1. Language: ..... Level/type: ..... Document number, date:
.....
2. Language: .....Level/type : .....Office number, date:
.....

Name of the chosen doctoral school (research area):
.....
What type of training are you applying for?
organised scholarship training/organised fee-based training/individual training*

Name of the doctoral education programme within the doctoral school (research area)**:**
.....
The topic of your choice is: .....

Name and academic degree of the topic leader**:** .....

Workplace of the theme leader: .....
Name and academic degree of the topic leader**:** .....
Workplace of the theme leader: .....

Have you applied to another doctoral school/doctoral training programme? yes/no*
If so:
1. Name of other institution: .....doctoral school**:**
.....

doctoral education programme:
.....
2. Name of other institution: .....doctoral school**:**
.....
doctoral education programme**:**
.....

I declare that the above information is true and I acknowledge that I will be held liable for any disadvantages resulting from the disclosure of untrue information.

Budapest, 20.....

.....
signature of the applicant

The application form must be completed in block letters.
It must be accompanied by the documents listed in paragraph 15 (3) of the DHSZ.
*The relevant text should be underlined.

Annex 3 - List of subjects for equalisation

Neptune code	Course title	Responsible	Credit
GGVMM0VMNE	Marketing management for small and medium-sized enterprises	Dr habil Mónika Garai-Fodor	4
GVXVS2VMNE	Corporate strategy	Dr. Viktor Nagy	5
GVEVI1VMNE	Business Innovation	Dr. Győző Attila Szilágyi	4
GGXPE1VMNE	Financial analysis	Prof. Dr. István Takács	5
GGEVK2VMNE	Corporate finance and financial services	Pappné Dr. Valéria Nagy	4
GVETI2VMNE	Production and innovation management	Dr. Győző Attila Szilágyi	4
GSEGL1VMNE	Enterprise and globalisation	Dr. András Keszthelyi	4
GSXUG1VMNE	Business economics	Dr. Mrs Takács Prof. Dr. Katalin György	5
GSEVE1VMNE	Managerial economics	Dr. Mrs Takács Prof. Dr. Katalin György	4
GVETG1VMNE	Socio-economic forecast	Dr habil Tick Andrea	4
GGEPM2VMNE	Project management	Dr. habil Ágnes Csiszárik-Kocsir	4
GVETM2VMNE	Knowledge Management	Ágnes Dr. habil Szeghegyi	4
GGVIM0VMNE	Intercultural management and leadership	Dr. János Varga	4
GVVSP0VMNE	SPSS software application in statistics	Dr. Viktor Nagy	4

Annex 4 - Academic credit certificate form

Óbuda University Doctoral School of Innovation Management (IMDI)
Certificate of academic credit

Student name: .....
Neptune code: .....
Semester: .....

Subjects completed

Neptune code	Subject title	Subject coordinator	Type*	Credit value

*K - compulsory; Kv. - compulsory; Szv. - optional

Total credit points: .....

Date: .....

.....	.....
Name	Name
Secretary of the IMDI	Theme leader

Annex 5 - Research Project Credit Verification Form

Óbuda University Doctoral School of Innovation Management (IMDI)
Research project credit certificate sheet

Student name: .....
Neptune code: .....
Semester: .....

Name of research project, research leader	Task completed	Suggested credits	Signature of the head of research

Total credit points: .....

Date: .....

.....	.....
Name	Name
Secretary of the IMDI	Theme leader

Annex 6 - Publication credit certificate form

Óbuda University Doctoral School of Innovation Management (IMDI)

Publication credit certificate

Student name: .....

Neptune code: .....

Semester: .....

Check sheet

RESULTS	**Accomplishment**	
Publications for evaluation are recorded in the MTMT	yes	not
All published papers have the written consent of the university subject leader.	yes	not
The PhD student in the Cooperative Doctoral Programme has obtained written permission to submit a communication from the company representative of the "corporate expert" employer.	yes	no / not relevant
At least 5 publications published or in the process of publication.	yes	not
At least two publications published or accepted for publication in an internationally recognised peer-reviewed journal in a foreign language.	yes	not
At least one of the two peer-reviewed journal articles in a foreign language was published in a journal listed in Web of Science, Scopus, IEEE Xplore or Thomson Reuters.	yes	not
A minimum of 36 publication credits completed with the items listed in the highlighted (grey) rows of the "Publication credits" table below, of which a maximum of 18 credits are from the publication of a journal article in Hungarian.	yes	not
The creation of a general format exempts you from the minimum requirement of "At least two journal articles published or accepted for publication in an internationally recognised peer-reviewed journal in a foreign language in the field".	yes	no / not relevant
Due to the creation of a general format, the "Minimum of 36 publication credits completed with the items listed in the highlighted (grey) rows of the "Publication credits" table below, of which up to 18 credits are from the publication of a journal article in Hungarian" is exempted. minimum requirement.	yes	no / not relevant

Credit values of publications, scoring*

Scientific publications	Credit Value	Publication MTMT identifier	Classification of publication PTMT (type, classification, nature)	PhD candidate's share of authorship (%)	Publication credit
SCIENTIFIC, PEER-REVIEWED JOURNAL ARTICLE					
Study published in a journal with impact factor**	36				
Study published in a foreign journal without impact factor**	22				
Study published in a national journal without impact factor**	16				
Q1 Study published in a Scimago peer-reviewed journal	36				
Q2 Study published in a Scimago peer-reviewed journal	24				
Study published in Q3 Scimago peer-reviewed journal	18				
Q4 Study published in Scimago peer-reviewed journal	10				
A paper published in a Web of Science Emerging sources journal	18				
Hungarian-language journal article included in the list of Hungarian-language journals (categories A and B)	18				

Hungarian-language journal article included in the list of Hungarian-language journals (categories C and D)	10				
CONFERENCE RESOLUTION (proofread conference article)					
Proofread conference article (min 4 pages) in a publication with ISBN number, in print or electronic format, in a foreign language	24				
Proof-read conference article (min 4 pages) in a publication with ISBN number, in print or electronic format, in Hungarian	6				
ABSTRACT					
Conference presentation with abstract published in a conference proceedings or journal with ISBN or ISSN in a foreign language	4				
Conference presentation with abstract published in a conference proceedings or journal with ISBN or ISSN in Hungarian	3				
SCIENTIFIC BOOK, BOOK EXCERPT					
A scientific book or book excerpt (not a conference publication) published abroad in a foreign language and at least 10 pages in length:	24				
An academic book or part of a book published in a foreign language in Hungary:	4 credits / 20 full pages				
A scientific book or part of a book published in Hungarian:	2 credits / 20 full pages				

FORMS OF PROTECTION**					
National and international patent forms, utility model protection listed by MAB ABSZ	36 credits			-	
SUMMARY	-			-	

*If necessary, you can add a new line if the candidate has published more than one of a given type of publication.

**Maximum 36 credits can be earned in this category.

Annex 7 - Education credit certificate form

Óbuda University Doctoral School of Innovation Management (IMDI)
Education credit certificate form

Student name: .....
Neptune code: .....
Semester: .....

Subject taught

Neptune code	Subject name	Task completed	Suggested credits	Signature of the person responsible for the subject	Signature of the head of the department responsible for education

Presentation

Neptune code	Subject name	Presentation title, date	Suggested credits	Signature of the person responsible for the subject	Signature of the head of the department responsible for education

Total credit points: .....
Date: .....

.....	.....
Name	Name
Secretary of the IMDI	Theme leader

Annex 8 - Half-yearly written report

Óbuda University Doctoral School of Innovation Management (IMDI)

Written half-yearly report

Student name: .....

Neptune code: .....

Semester: .....

Summary of the activity carried out

a) learning activities
b) research activities

Evaluation of the student's progress

a) Student self-assessment
b) Feedback from the topic leader

Plan for next semester

a) Study plan
b) Research plan
c) Publication plan
d) Personal development plan

Resource requirements for the next semester

a) Resource requirements of the planned tasks
b) Resources available to carry out the planned tasks

Annexes

1) Certificate of academic credit
2) Research project credit certificate sheet
3) Education credit certificate form
4) Publication credit certificate
5) MTMT publication list

Date: .....

.....	.....
Name	Name
Student	Thesis supervisor

Annex 9 - Detailed description of subjects

see separate file

Annex 10 - Personal data sheets

see separate file

Annex 11 - Topic papers

see separate file