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**PhD Program of the  
Hantos Elemér  
Doctoral School of  
Business,  
Management and  
Regional Sciences**



Miskolc, 2023.

## Basic training information

The Hantos Elemér Doctoral School of Business, Management and Regional Sciences and its predecessor, the Doctoral School of Enterprise Theory and Practice, have been running a Hungarian-language programme since 1994, where more than 100 students have graduated, including six students studying in English. The English language programme started in September 2014.

Since 2005, the School has been a member of the European Association of Doctoral Schools in Management and Economics (EDAMBA), which also provides international recognition for doctoral studies.

From September 2020, the Doctoral School was renamed to its current name and became a two-disciplinary programme, with students being able to study in both the Hungarian and English programmes in the sub-programmes of management and regional studies. Students will be notified of their classification in the relevant sub-programme (based on their research field) at the beginning of the first semester.

At the Doctoral School, education is structured around seven thematic areas:

- Marketing schools and applications
- Management
- Finance-accounting
- Business economics
- Regionalism
- Spatial Theory
- Space and business

The classification of each student's subject area is decided by the Doctoral School's Council during the first semester, so they can start their subject-specific studies from the second semester.

### Contact

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For first-year students, a detailed study of the University Doctoral Regulations is also recommended. Available at:

<https://www.uni-miskolc.hu/files/16844/Doktori-szabalyzat-2023-marcius-1.pdf>

The Doctoral School's own website (operating regulations/student forms available):

<https://gtk.uni-miskolc.hu/doktoriiskola/about>

Doctoral Regulations available at:

<https://gtk.uni->

[miskolc.hu/files/15149/GTK\\_doctoral\\_regulations\\_vegleges%20\(corr\)%202019%2012%2015.pdf](https://gtk.uni-miskolc.hu/files/15149/GTK_doctoral_regulations_vegleges%20(corr)%202019%2012%2015.pdf)

## Training plan, stages of training

The training programme divides the 8 semesters of doctoral preparation into two parts: the first four semesters are devoted to academic obligations during the training and research phase, while the second four semesters, the research and dissertation phase, focus on publication obligations and the preparation of the dissertation.

### Training and research section:

The subjects are completed at this stage. The training programme comprises a total of 2 core subjects, 3 compulsory subjects, 2 compulsory subjects in a specific subject area and 2 elective subjects.

The core subjects are the same for all sub-programmes and all subject areas.

| Subject                       | Subject coordinator | Contributing teacher       | Semester 1 (autumn) |          |      | Semester 2 (Spring) |          |      | 3rd semester (autumn) |          |      | Semester 4 (Spring) |          |      |
|-------------------------------|---------------------|----------------------------|---------------------|----------|------|---------------------|----------|------|-----------------------|----------|------|---------------------|----------|------|
|                               |                     |                            | ea                  | kr       | task | ea                  | kr       | task | ea                    | kr       | task | ea                  | kr       | task |
| <b>Foundation subjects</b>    |                     |                            | <b>30</b>           | <b>8</b> |      | <b>30</b>           | <b>8</b> |      | <b>0</b>              | <b>0</b> |      | <b>0</b>            | <b>0</b> |      |
| Research Methodology          | Károly Balaton      |                            | 30                  | 8        | k    |                     |          |      |                       |          |      |                     |          |      |
| Quantitative research methods | Roland Szilágyi     | Géza Tóth,<br>Áron Kincses |                     |          |      | 30                  | 8        | k    |                       |          |      |                     |          |      |

The compulsory subjects under each sub-programme are 3 subjects per programme and each sub-programme has 2-2 subjects in each subject area.

### Management sub-programme

| Subject   | Subject coordinator     | Contributing teacher | Semester 1 (autumn) |           |      | Semester 2 (Spring) |          |      | 3rd semester (autumn) |          |      | Semester 4 (Spring) |          |      |
|---|-------------------------|----------------------|---------------------|-----------|------|---------------------|----------|------|-----------------------|----------|------|---------------------|----------|------|
|   |                         |                      | ea                  | kr        | task | ea                  | kr       | task | ea                    | kr       | task | ea                  | kr       | task |
| <b>Compulsory subjects under the sub-programme</b>  |                         |                      | <b>60</b>           | <b>12</b> |      | <b>30</b>           | <b>6</b> |      | <b>30</b>             | <b>6</b> |      | <b>0</b>            | <b>0</b> |      |
| <b>Sub-programme on Economics -- Károly Balaton</b> |                         |                      |                     |           |      |                     |          |      |                       |          |      |                     |          |      |
| Scientific problems of business economics           | Klára Szűcsné Markovics |                      | 30                  | 6         | k    |                     |          |      |                       |          |      |                     |          |      |
| Finance   | Sándor Bozsik           |                      | 30                  | 6         | k    |                     |          |      |                       |          |      |                     |          |      |
| Marketing Theory                                    | István Piskóti          | Szabolcs Nagy        |                     |           |      | 30                  | 6        | k    |                       |          |      |                     |          |      |
| Organisational Theories                             | István Kunos            |                      |                     |           |      |                     |          |      | 30                    | 6        | k    |                     |          |      |

### Management sub-programme - compulsory subjects in the thematic area

| Subject   | Subject coordinator | Contributing teacher | Semester 1 (autumn) |          |      | Semester 2 (Spring) |          |      | 3rd semester (autumn) |          |      | Semester 4 (Spring) |          |      |
|---|---------------------|----------------------|---------------------|----------|------|---------------------|----------|------|-----------------------|----------|------|---------------------|----------|------|
|   |                     |                      | ea                  | kr       | task | ea                  | kr       | task | ea                    | kr       | task | ea                  | kr       | task |
| <b>Compulsory subjects within the sub-programme</b> |                     |                      | <b>0</b>            | <b>0</b> |      | <b>30</b>           | <b>5</b> |      | <b>30</b>             | <b>5</b> |      | <b>0</b>            | <b>0</b> |      |
| <b>Marketing schools and applications</b>           |                     |                      |                     |          |      |                     |          |      |                       |          |      |                     |          |      |
| Methods of Market Analysis                          | László Molnár       |                      |                     |          |      | 30                  | 5        | k    |                       |          |      |                     |          |      |
| Social marketing - theory and methods               | Szabolcs Nagy       |                      |                     |          |      |                     |          |      | 30                    | 5        | k    |                     |          |      |

|   |                        |  |  |  |  |    |   |   |    |   |   |  |  |  |  |
|---|------------------------|--|--|--|--|----|---|---|----|---|---|--|--|--|--|
| <b>Management</b>   |                        |  |  |  |  |    |   |   |    |   |   |  |  |  |  |
| Strategic and innovation management                       | Károly Balaton         |  |  |  |  | 30 | 5 | k |    |   |   |  |  |  |  |
| Project Management  | Mariann Somosi Veresné |  |  |  |  |    |   |   | 30 | 5 | k |  |  |  |  |
| <b>Financial Accounting</b>                               |                        |  |  |  |  |    |   |   |    |   |   |  |  |  |  |
| Financial management                                      | Sándor Bozsik          |  |  |  |  | 30 | 5 | k |    |   |   |  |  |  |  |
| International finance                                     | Levente Kovács         |  |  |  |  |    |   |   | 30 | 5 | k |  |  |  |  |
| <b>Business entrepreneurship and corporate management</b> |                        |  |  |  |  |    |   |   |    |   |   |  |  |  |  |
| Managerial economics                                      | Ágnes Horváth          |  |  |  |  | 30 | 5 | k |    |   |   |  |  |  |  |
| Management of Public Utility Companies                    | Ágnes Horváth          |  |  |  |  |    |   |   | 30 | 5 | k |  |  |  |  |

### Regional sub-programme

| Subject   | Subject coordinator | Contributing teacher | Semester 1 (autumn) |           |      | Semester 2 (Spring) |          |      | 3rd semester (autumn) |          |      | Semester 4 (Spring) |          |      |
|---|---------------------|----------------------|---------------------|-----------|------|---------------------|----------|------|-----------------------|----------|------|---------------------|----------|------|
|   |                     |                      | ea                  | kr        | task | ea                  | kr       | task | ea                    | kr       | task | ea                  | kr       | task |
| <b>Compulsory subjects per sub-programme</b>                                |                     |                      | <b>60</b>           | <b>12</b> |      | <b>30</b>           | <b>6</b> |      | <b>30</b>             | <b>6</b> |      | <b>0</b>            | <b>0</b> |      |
| <b>Regional Science sub-programme -- Tamás T. Sikos</b>                     |                     |                      |                     |           |      |                     |          |      |                       |          |      |                     |          |      |
| Space Economics   | József Benedek      |                      | 30                  | 6         | k    |                     |          |      |                       |          |      |                     |          |      |
| Place marketing and branding  | István Piskóti      |                      | 30                  | 6         | k    |                     |          |      |                       |          |      |                     |          |      |
| Comparative regional economics  | József Benedek      |                      |                     |           |      | 30                  | 6        | k    |                       |          |      |                     |          |      |
| Globalisation and regionalisation - population processes, spatial movements | Áron Kincses        | Katalin Lipták       |                     |           |      |                     |          |      | 30                    | 6        | k    |                     |          |      |

### Regional sub-programme - compulsory subjects in the thematic area

| Subject   | Subject coordinator | Contributing teacher | Semester 1 (autumn) |          |      | Semester 2 (Spring) |          |      | 3rd semester (autumn) |          |      | Semester 4 (Spring) |          |      |
|---|---------------------|----------------------|---------------------|----------|------|---------------------|----------|------|-----------------------|----------|------|---------------------|----------|------|
|   |                     |                      | ea                  | kr       | task | ea                  | kr       | task | ea                    | kr       | task | ea                  | kr       | task |
| <b>Compulsory subjects within the sub-programme</b> |                     |                      | <b>0</b>            | <b>0</b> |      | <b>30</b>           | <b>5</b> |      | <b>30</b>             | <b>5</b> |      | <b>0</b>            | <b>0</b> |      |
| <b>Regionalism</b>                                  |                     |                      |                     |          |      |                     |          |      |                       |          |      |                     |          |      |
| European regionalism                                | József Benedek      |                      |                     |          |      | 30                  | 5        | k    |                       |          |      |                     |          |      |
| Urban planning and smart cities                     | Zoltán Nagy         | Dóra Szendi          |                     |          |      |                     |          |      | 30                    | 5        | k    |                     |          |      |
| <b>Spatial Theory</b>                               |                     |                      |                     |          |      |                     |          |      |                       |          |      |                     |          |      |
| Regional policy                                     | József Benedek      |                      |                     |          |      | 30                  | 5        | k    |                       |          |      |                     |          |      |
| Spatial econometrics                                | Géza Tóth           |                      |                     |          |      |                     |          |      | 30                    | 5        | k    |                     |          |      |
| <b>Spatiality and business</b>                      |                     |                      |                     |          |      |                     |          |      |                       |          |      |                     |          |      |
| Business GIS  | Tamás T. Sikos      |                      |                     |          |      | 30                  | 5        | k    |                       |          |      |                     |          |      |
| On-line and off-line business spaces                | Tamás T. Sikos      |                      |                     |          |      |                     |          |      | 30                    | 5        | k    |                     |          |      |

The elective subjects are announced in the 4th semester, two of which are compulsory during the course.

Timetable information: sent by email by the Doctoral School, blocked timetable.

Other compulsory elements of the training:

- Teaching activity (3 credits) in all 8 semesters
- Research activity (9 credits) in all 8 semesters

Their assessment is as follows:

### **Criteria for getting the education credits**

You can get teaching credits for a given semester if you have participated in at least two different groups of activities.

The optional activity groups are:

1. participation in curriculum/lecture material development at the institute or faculty
  - 1.1. update lecture or practical slides, illustrative materials,
  - 1.2. participating in the development of teaching materials,
  - 1.3. updating the set of calculation exercises,
  - 1.4. contributing to the development of new teaching materials,
  - 1.5. contributing to the development of case studies,
  - 1.6. Translating existing curricula into a distance learning/elearning format.
2. attending lectures and seminars in at least one subject of the institute,
3. teaching a maximum of 2 hours per week for the first year, and 3 hours per week for years 2-3-4,
4. at least one TDK and/or thesis consultation for at least one student.

Responsible: the head of the institute announcing the research topic

Deadline: last day of the examination period of the semester in question

### **Criteria for getting research credits**

In the 1st and 2nd semesters, research credit can be awarded if the student has participated in at least one activity group in addition to the compulsory activity.

In the 3rd, 5th-8th semesters, research credit can be awarded if the student has participated in at least two activity groups in addition to the compulsory activity.

In the 4th semester, research credit can be awarded if the student has participated in at least two activity groups in addition to the complex examination.

Mandatory activity

1. Research progress on the chosen research topic: at least 10 pages, which could be, for example, theoretical background, methodological analysis, carrying out calculations related to the thesis and their analysis, conducting a questionnaire survey, conducting in-depth interviews.

The optional activity groups are:

1. published or submitted manuscript of a study for publication,
2. certified summer university or academic conference attendance (can be a listener),
3. presenting research in a given semester (e.g. a presentation to institutional colleagues, a research seminar),
4. participation in university research projects as a professional implementer, researcher.

Responsible: supervisor

Deadline: last day of the examination period of the semester in question

### **Criteria for getting publication credits - milestones**

1. 3rd semester:
  - 1.1. at least 18 publication credits, and
  - 1.2. at least two scientific publications uploaded to MTMT or in the process of publication
2. Semester 4:
  - 2.1. at least 36 publication credits, and
  - 2.2. at least one scientific publication in a foreign language uploaded or in the process of publication in MTMT
3. Semester 6:
  - 3.1. at least 54 publication credits, and
  - 3.2. at least two scientific publications uploaded or in the process of publication in a foreign language in MTMT, or
  - 3.3. one scientific publication uploaded or in the process of publication in a foreign language and one qualified journal article uploaded or in the process of publication in a foreign language (co-authorship with a co-authorship statement or a statement of proportion)
4. 8th semester:
  - 4.1. fulfil the conditions for the absolutorium

The quantification of publication credits is based on Annex 4 of the Operational Regulations of the Hantos Elemér Doctoral School of Business, Management and Regional Sciences.

Only publicly accessible scientific publications in written form that are at least 5 pages long or 10,000 characters with spaces, except for journals in categories A, B and Q1-Q3, are accepted as publications.

If the publication is still in the process of being published, the score can also be obtained by obtaining a certificate of acceptance from the editors of the journal or book.

Responsible: supervisor

Deadline: last day of the examination period of the semester indicated at the milestone

### ***Complex exam***

At the end of the 4th active semester, students must take a complex examination in accordance with the provisions of the Nftv. The requirements for the complex examination are: 90 credits, including all study credits, and min. 36 publication credits (strictly based on **MTMT** records).

The complex examination consists of two main parts: a theoretical part, which is an oral examination in two subject areas; and a dissertation part, which is a defence of a 40-80 page draft dissertation.

The draft dissertation contains the following elements:

- a summary of the literature reviewed;
- the research philosophy behind the empirical study;
- the exact definition of the test sample;
- the methods used for data collection and analysis;
- the timing of the research, the cost implications;
- the expected results of the research;
- research plan for the second phase of training;
- publication schedule of results.

Detailed information on the complex exam is available at the following link: <https://gtk.uni-miskolc.hu/files/18221/komplex%20vizsga%20t%C3%A1j%C3%A9koztat%C3%B3%202023%20ENG.pdf>

### **Other important information**

#### **Annex 14, § 3 (21) of the University Doctoral Regulations:**

"From the first semester of the academic year 2016/2017 - and thereafter in ascending order - a student who has been granted a state (part) scholarship and who is subject to the Nftv., if at the end of the academic year the doctoral school determines that on average of the last two semesters in which his/her student status was not interrupted and he/she has not earned at least 20 credits, he/she may continue his/her studies in the following academic year only in self-financed studies."

Alternatively, based on the Nftv. 59.§ (5) c), the student's student status is terminated if:

"c) the student who has been transferred from a public (part-)scholarship course to a self-financed course does not wish to continue his/her studies in the self-financed course."

At the end of the 8th semester of the doctoral programme, the doctoral student **must submit an application to the** Doctoral Council for an **absolutorium** "certifying that the doctoral student has fulfilled the requirements of the legislation and regulations and has obtained the required 240 credits". Failure to do so will result in removal from the list of students and failure to complete the course.

Nftv. 53§ (4): "The doctoral candidate shall submit a doctoral thesis as specified in the doctoral regulations within three academic years following the complex examination."

#### **Required to obtain an absolutorium:**

- a) accumulate at least 72 credits (publication score),
- b) at least 1 scientific publication in a foreign language,
- c) at least 1 journal article in a qualified journal.

#### **Required for the PhD degree:**

- a) accumulate at least 72 credits (publication score),
- b) at least 3 scientific publications in foreign languages and
- c) at least 2 single-authored or
- (d) at least 1 single-authored and at least 2 co-authored or at least 4 co-authored scientific publications in a peer-reviewed journal.

**The main stages of the degree process are:** a complex exam (end of semester 4), a workshop debate and a public defense.