



Complex exam information leaflet 2023.

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

Regulations, general description

Act CCIV of 2011 on National Higher Education: chapter XIV Special rules on talent management, doctoral training: 31. Doctoral training and the doctoral degree procedure

53. § (1)- During doctoral training, at the end of the fourth semester, at the end of the training and research phase and as a condition for starting the research and dissertation phase, a complex examination must be passed, which measures and evaluates the education and research progress.

(4)- The doctoral candidate must submit a doctoral thesis within three academic years after the complex examination, as specified in the doctoral regulations.

59. § (1) The student status shall be terminated, *j*) if the doctoral student fails to complete the complex examination, on the day of the failure or non-completion of this exam.

Regulations for doctoral training and doctoral (PhD) degrees at the University of Miskolc

Chapter II: Preparation for doctoral studies

6§ (6) At least 240 credits must be completed in the doctoral programme. The complex examination cannot be skipped.

7§ (1) The student will demonstrate the achievements, skills and attitude in achieving the objectives of the doctoral programme in a complex examination at the end of the fourth active semester.

(4) When applying for the complex examination, the doctoral student must provide the evidence of having accumulated at least 90 credits. A doctoral student who has passed the complex examination, has completed four semesters and has accumulated at least 120 credits, including all study credits, during the first four semesters, may start the research and dissertation phase.

9§ Complex exam

(1) To be admitted to the complex examination, you have to collect at least 90 credits in the "training and research phase" of the doctoral programme, including all the study credits.

(2) The complex exam consists of two main parts:

Theoretical part: the doctoral student reports on his/her theoretical and methodological knowledge of the literature in the discipline.

Dissertation part: the doctoral candidate reports on the results of his/her research, outlines his/her research plan for the second phase of doctoral training, and the timetable for the preparation of the dissertation and the publication of the results. The doctoral candidate shall present his/her scientific research report and plan in a presentation and, prior to the examination, written.

(3) The complex exam must be taken in public, in front of a complex exam committee.

(9) The complex examination is graded in two form: pass or fail.

(12) The complex exam is passed if the candidate achieves at least 60% in both parts. After a successful examination, the doctoral student may continue his/her studies.

(13) If the complex examination is unsuccessful, the doctoral student may retake the examination one more time during the examination period.

Regulations of the Hantos Elemér Doctoral School of Business, Management and Regional Sciences

4.§ Teaching work of the Doctoral School: (2) e) e) To be admitted to the complex examination, the candidate has to collect at least 90 credits in the "training and research phase" of the doctoral programme, including all the study credits.

(3) During the doctoral training, at the end of the fourth active semester, as a condition for the completion of the training and research phase of the training and the start of the research and dissertation phase, a complex examination must be passed, which measures and evaluates the study and research progress. The period until the absolution may be shortened by the completion of credits, but the complex examination cannot be skipped.

(4) e) The complex exam will be held during the examination period of the given semester.

(5) a) and b) The theoretical part covers two areas of knowledge, selected by the TDT on the basis of the candidate's specialisation and research plans. The TDT decides on the subjects for the complex examination.

c) Dissertation part (dissertation-draft defence), in which the candidate reports on his/her academic progress. The dissertation-draft should be submitted to the administrator of the Doctoral School at least two weeks before the start of the examination period, unless it is an application from an individual student. The formal requirements for the draft dissertation are set out in the requirements for the form and content of doctoral dissertations (Annex 8 of the Regulations); it should be at least 40 pages and at most 80 pages. It must contain the following elements:

- a summary of the literature reviewed;
- the research philosophy behind the empirical study;
- a precise definition of the study sample;
- the methods used for data collection and analysis;
- the timing of the research, the cost implications and how the costs will be borne;
- the expected results of the research;
- the research plan for the second phase of training;
- timetable for publication of results.

(6) b) A doctoral student who has successfully passed a complex examination, has completed four semesters and has accumulated at least 120 credits, including all study credits, during the first four semesters, may start the research and dissertation phase.

Complex exam scenario/schedule

The examination committee consists of at least 3 members, the supervisor cannot be a member of the committee, but he/she evaluates the doctoral student's work. The examination, which consists of the dissertation and the theoretical part, is open to the public and is held at an official venue/online at the University of Miskolc.

Order of the procedure

Welcome by the President and presentation of the scenario for the complex exam.

1) Dissertation part:

- Oral presentation of the dissertation-draft (research plan) - 15 minutes.
- Presentation of the supervisor's evaluation - 3-5 minutes.
- Discussion of the dissertation-draft (research plan) - 10-15 minutes.

- Voting by the members of the Committee (0-1-2-3 points). The part of the examination is successful if the candidate achieves at least 60% of the points available (points available = number of committee members x 3). In case of failure of the dissertation part, the Complex Examination cannot be continued. The examination is marked as failed.
- Evaluation of the dissertation part - preparation of a short written opinion of the committee and presentation of the results.

2) Theoretical part:

- Students will get a list of questions for each topic in advance, and for each question, the lecturers will assign a bibliography containing at least one book chapter. This will also be given to the doctoral students. The assigned bibliography serves as a preparation guide and does not constitute the knowledge required to answer the question. The literature for each question is the literature that the students have become familiar with during the teaching of the subject. In the complex examination, the committee will select the question to be answered.
- The written elaboration of the question. The time allowed for the two questions together is 20 minutes - for online examinations there is no time for preparation.
- Presentation of the topics.
- Voting by the members of the Committee (0-1-2-3 points). The part of the examination is passed if the candidate obtains at least 60% of the points available (points available = number of members of the committee x 3). In case of failure of the theoretical part, the Complex Examination is marked as failed.
- Evaluation of the theoretical part, preparation of a short written opinion of the board and presentation of the results.

If the theoretical part is unsuccessful, the candidate has to repeat the theoretical part of the complex examination. A failed complex examination may be repeated once during the examination period at a time specified by the Doctoral School.

Formal requirements for the dissertation-draft

The dissertation-draft can be 40-80 pages (plus appendices).

- A4 page size,
- margins 2,5 cm,
- single line spacing, Times New Roman font,
- font size 12 pt., 10 pt. for tables,
- single-sided printing.

Literary sources used should always be cited. The Harvard style of citation and bibliography is recommended, for more details see e.g.: <https://www.mendeley.com/guides/harvard-citation-guide/>

Process for checking publications

Regulations of the Doctoral School 4§ (1):

An additional requirement in the training programme is the publication activity, which the curriculum allows students to complete over the full eight semesters, taking into account the following milestones:

- obtain at least 36 publication credits during the first four semesters of the PhD studies,
- at least 72 publication credits throughout the PhD studies.

According to the syllabus, the absolutorium requirements are as follows:

- collecting at least 72 credits (publication points),
- at least 1 scientific publication in a foreign language,
- at least 1 journal article in a qualified journal.

For publication activity, only publications count which:

- are at least 5 pages long
- **appear (are registered) in the MTMT database.**

Before applying for the complex exam, it is essential to complete the MTMT registration and upload your publications to the database. Publications not included in the MTMT will NOT be counted in the evaluation!

Registration guide: <https://www.youtube.com/watch?v=Er-rbxm56-k>

The categories of publications accepted by the Doctoral School and the number of publication credits that can be awarded. (Proportionality in case of co-authorship!)

Scientific journal articles

Name	publication credit
Q1	60
Q2, international "A" category	50
Q3, international "B" category	40
Q4, international "C" category	35
international "D" category	30
Hungarian "A" category	40
Hungarian "B" category	35
Hungarian "C" category	30
other, qualified Hungarian periodicals	25

Books (only peer-reviewed)

Name	publication credit
Foreign-language book, book chapter (per started sheets)	30
Hungarian-language book, book chapter (per started sheets)	20

Conference proceedings, non-classified journal (peer-reviewed only)

Name	publication credit
international conference (full paper), in foreign languages foreign journal article in a foreign language	20
international conference (abstract), foreign language	12
international conference (full paper), in Hungarian journal article published abroad, in Hungarian	12
international conference (abstract), in Hungarian	6
domestic conference (full paper), in foreign language journal article in foreign language appeared in domestic journal	15
domestic conference (abstract), foreign language	8
domestic conference (full paper), in Hungarian journal article published in Hungary, in Hungarian	10
domestic conference (abstract), in Hungarian	5

Ranked journals

Ranked journals in Hungarian and foreign languages are classified according to the classification of the MTA Class IX. In addition, the foreign language journals of the Faculty of Economics and the journals ranked Q1-Q4 according to the Scimago Journal Rank in the areas below are also accepted as ranked journals:

- Business, Management and Accounting subject area,
- Decision Sciences subject area,
- Economics, Econometrics and Finance subject area,
- Environmental Science subject area,
- Regional Sciences subject area,
- Multidisciplinary subject area,
- Social Sciences subject area.

Possible complex exam deadlines for the 2nd Semester of the 2022/2023 academic year

Submit the registration form to the administrator of the Doctoral School: **15th April 2023.**

Submission of the dissertation-draft on paper and electronically to the administrator of the Doctoral School: **expected to be beginning of May 2023.** (later announced)

Thesis supervisor evaluations: **end of May 2023.**

Estimated time for complex examination: **expected to be beginning of June 2023**

Approval of complex examination subjects: early 2023

Complex exam questions and material – Spring 2023

Comparative Regional Economics (Benedek József)

1. The general goals of comparison. Benedek József (2019) Comparative economics. Course notes I, Menz (2017), Chapter 1.
2. The particular goals of comparison. Benedek József (2019) Comparative economics. Course notes II, Menz (2017), Chapter 2.
3. The types of comparisons. Benedek József (2019) Comparative economics. Course notes III, Menz (2017), Chapter 3.
4. The general mechanisms generating core-periphery structures: globalization. Knox, Agnew, McCarthy (2014), Chapter 6.
5. The general mechanisms generating core-periphery structures: international trade. Knox, Agnew, McCarthy (2014), Chapters 7 and 8.

Bibliography

Benedek József (2019) Comparative economics. Course notes.

Knox, P., Agnew, J., McCarthy, L. (2014) The geography of world economy. Sixth Edition. Routledge, London-New York. Chapters 6, 7 and 8.

Menz Georg (2017) Comparative political economy. Oxford University Press. Chapters 1, 2, and 3.

Urban planning, smart cities (Nagy Zoltán)

1. Understanding the concept of smart city in different approaches, measuring the performance of smart cities.

Bibliography:

- Giffinger, R. – Pichler-Milanovic, N. (2007) *Smart Cities: Ranking of European Medium-Sized Cities*. Vienna University of Technology, University of Ljubljana and Delft University of Technology. http://www.smart-cities.eu/download/smart_cities_final_report.pdf
- European Parliament: Mapping Smart Cities in Europe. Directorate General for Internal Policies, 2014. [http://www.europarl.europa.eu/RegData/etudes/etudes/join/2014/507480/IPOL-ITRE_ET\(2014\)507480_EN.pdf](http://www.europarl.europa.eu/RegData/etudes/etudes/join/2014/507480/IPOL-ITRE_ET(2014)507480_EN.pdf)
- Szendi, D. (2019): Measuring the smart cities performance in the capital cities of the EU. In: University, of Ho Chi Minh City (szerk.) Proceedings of the International Conference - Special mechanism and policy for the development of Ho Chi Minh City from the legal perspective. https://www.researchgate.net/publication/331113430_Measuring_the_smart_cities_performance_in_the_capital_cities_of_the_EU

2. Describe the characteristics of urban development and urban networks!

Bibliography:

- lectures slides
- P. Haggett (2001): Geography: A Global Synthesis. Pearson College Div.

3. Describe the theory, conceptual framework and computational possibilities of resilience!

Bibliography:

- Bănică, A., Muntele, I. 2017. Urban transitions and resilience of Eastern European Union cities. *Eastern Journal of European Studies*. Vol. 8. (2) pp. 45–69.
- Drobniak, A. 2017. Economic resilience and hybridization of development – A case of the Central European Regions. *Regional Statistics*. Vol. 7. (1). pp. 43–62.
- Szendi, D., Nagy, Z., Tóth, G.: City level resilience, a pilot study of the towns in Borsod-Abaúj-Zemplén county. *Manuscript*.

REGISTRATION FORM
for the COMPLEX EXAM
(Registration deadline: April 15th/November 15th)

General data:

Doctoral school:

Higher education institute:

University of Miskolc
Institutional id. number: F187515

Doctoral student:

.....name
.....student id. no.
..... start of the PhD studies

Scientific field of education:

Economic and business studies, Regionalism

Specialization of education:

business/regionalism (the adequate one to underline)

Name of research topic:

.....

PhD supervisor:

.....
name, position, scientific degree

Data on scientific activity:

Number of learning (course) credits:

Number of other credits:

Total number of credits¹:

Publications:

Number of Hungarian scientific papers:

Number of foreign language scientific papers:

Number of Hungarian books and book chapters:

Number of foreign language books/book chapters:

Signature of the candidate:.....

Date:

I support the registration for the complex exam:

Signature of the thesis supervisor:

Date:

Signature of the head of the Doctoral school:

Date:

¹ Minimum 90 credits, and within it each of the necessary course credits