

3.6 THE DOCTORAL SCHOOL CURRICULUM

During the training and research phase, students must complete one required course each semester. One of the required courses may be selected based on the student's research topic (mandatory elective). In addition, students may take elective courses up to the maximum credit limit.

Subject	Credit / semester			
	1	2	3	4
Compulsory subject	8	8	8	
Compulsory subject				8
Optional subject	0-25			

3.7 COURSES OF THE DOCTORAL SCHOOL

The doctoral school's required, mandatory elective, and elective courses can be grouped into subject-specific and methodological categories. Courses are announced in the Neptun system, which is managed by the DI administrator. As a general rule regarding the announcement of courses, the DI stipulates that required and required-elective courses are announced once per academic year, ensuring that students can enroll in one required or required-elective course per semester and that they can complete the three required and one required elective course during the training and research period. Elective courses are offered in both the fall and spring semesters; a course will be offered if at least three students enroll; if fewer students enroll, the course may be completed in the form of individual consultations.

The DI curriculum aims to provide flexibility for doctoral students, recognizing that applicants to the DI come from a wide range of backgrounds and have unique needs. The placement of individual courses within the curriculum may vary during the academic year, and no prerequisites have been specified.

Compulsory subjects

Subject / semester		Credit	Responsible (instructor)
Specialized knowledge	Innovation theories, innovation management and innovation policy	8	Dr. habil. Zrubka Zsombor, Dr. habil. Szabó István
	Economic and management theories	8	Prof. Dr. Karácsony Péter, Prof. Dr. Garai-Fodor Mónika

Methodologic knowledge	Research methodology and scientific writing	8	Prof. Dr. Péntek Márta Prof. Dr. Gulácsi László
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Compulsory elective subjects

Elective subjects - specialised knowledge

Elective subjects - Methodological knowledge

Subject	Credit	Responsible
Numerical Modeling and Optimization of Industrial Processes in an Innovation Environment	5	Prof. Dr. Felde Imre
Modern Methods for Estimating Efficiency and Productivity	5	Prof. Dr. Fogarasi József
Advanced Econometrics I	5	Dr. Bakucs Zoltán, PhD
Econometrics for Advanced Students II.	5	Dr. Bakucs Zoltán, PhD
Synthesis of scientific evidence: systematic literature review and evaluation	5	Prof. Dr. Péntek Márta Prof. Dr. Gulácsi László
Quantitative synthesis of health science evidence, meta-analysis	5	Dr. habil Zrubka Zsombor
Health economics decision-making modeling	5	Dr. habil Zrubka Zsombor
Applied Python Programming	5	Dr. Kertész Gábor, PhD
Applied Artificial Intelligence	5	Dr. Kertész Gábor, PhD
Research Publication Skills	5	Prof. Dr. Gulácsi László Dr. Berek László
Modeling Innovation Processes with Soft Computing Methods	5	Prof. Dr. Takács Márta
The Impact of Risk Management on Farm Productivity	5	Prof. Dr. Fogarasi József
Risk Assessment and Testing of Medical Devices	5	Prof. Dr. Kozlovszky Miklós
Development of Innovative Medical Device Prototypes in Practice	5	Prof. Dr. Kozlovszky Miklós