

## STUDY UNIT LIST (MA)

Symbols, abbreviations:

D = thesis

G = seminar-format course

K = lecture-format course with an examination

Z = final examination and defense

kon = consultation

k = required course

kv = required elective course (students are required to take x courses out of a list of y courses, where x is smaller than y)

v = elective course

### Various kinds of prerequisites explained:

- A course code without parentheses: a strong prerequisite, so the prerequisite has to be completed by the end of the semester prior to when the course is taken.
- A course code in parentheses: a weak prerequisite, so it has to be completed by the end of the semester in which the course is taken.
- A course code with „=” sign: the courses have to be taken in parallel.
- \*: The course can be taken after the completion of the background courses.

## LOGIC AND THEORY OF SCIENCE MASTER'S PROGRAM (MA)

FOR STUDENTS ADMITTED AFTER 2017

### THE INSTITUTE IN CHARGE OF THE MAJOR:

Institute of Philosophy

### GENERAL INFORMATION ABOUT THE MAJOR:

#### The name of the Master's program:

Logic and Theory of Science

#### The degree that can be obtained and how it is listed in the diploma:

- degree level: Master's degree (magister, master; abbreviated as: MA)
- designation of the major, as it appears in Hungarian (verbatim translation): humanities diploma, logic and philosophy of science
- designation of the major and degree, as it appears in English: Expert in Logic and Theory of Science

**Number of semesters of training:**

4 semesters

**The number of credits to be collected for the Master's degree:**

120 credits

**Language requirements:**

In order to obtain the Master's degree, the student is required to hold a state-recognized advanced-level, (C1) complex language proficiency certificate or equivalent high school transcript and diploma in English, and a further, state-recognized intermediate-level (B2) complex language proficiency certificate, or equivalent high school transcript and diploma.

**REQUIREMENTS CONCERNING THE THESIS AND THE FINAL EXAMINATION:*****THESIS:***

The thesis requirements that go beyond those set out in the regulations by the Faculty of the Humanities are determined by the thesis regulations of the Institute of Philosophy.

**Formal requirements:**

Length: A minimum of 100 000 and a maximum of 200 000 characters, spacing: 1.5, font size: 12. One bound copy and one copy in paper boards should be submitted. The theses should also be submitted in pdf format through the online electronic platform's Thesis course, or via email addressed to the secretary of the Institute of Philosophy.

The cover page of the thesis should include the name of the author of the thesis; the title of the thesis in Hungarian and in the language of the MA program; the name of the thesis supervisor; the name of the university, the faculty and the MA program; and the date of submission.

**Substantive requirements:**

The thesis is a body of argumentative text consisting of scholarly articles as chapters, whose topic relates to several lecture-course (marked „K” in the study unit list) subjects within the Logic and Theory of Science Program. And beyond the required readings for these lecture-format courses, the thesis should show representative coverage of the foreign-language literature surrounding topic.

**Evaluation:**

The evaluation is on a five-grade scale. During the evaluation, the reviewers have to take into account whether students have satisfied the formal and substantive requirements for a thesis. Criteria of evaluation include: scholarly results, knowledge and professional use of the relevant literature, analytical and structured presentation of results and the relevant body of knowledge, possible directions for future research.

***The MA program's completion requirements:***

The final examination for the program is in an oral format.

The most central part of the exam is the defense of the thesis. Students have to demonstrate that they have acquired the core knowledge set out in the training requirements and the curriculum, and are able to explain their theses orally in nuanced and precise terms.

Beyond the defense of the thesis, the final examination also covers two previously designated topics for which the student has completed a lecture-format course (marked „K” in the study list). Students are asked questions to determine their level of comprehensive proficiency in these two topics.

**Evaluation at the final examination:**

Evaluation is on a five-grade scale. The examiners assess students' proficiency in the fields related to the topic of the thesis, as well as the students' level of professional preparation and ability to participate in scholarly discourse.

**CRITERIA FOR ELIGIBILITY FOR THE FINAL EXAMINATION AND DEFENSE:**

The criteria for eligibility for the final examination and defense are as follows: students have completed all the study and exam requirements set out in the program's curriculum (with the exception of the thesis, the state-recognized language proficiency certificate prescribed, and the final examination), and have completed all credits set out in the program's training and completion requirements (except for the credits for the thesis), and as a result of all this, hold a final transcript (called „absolutorium”) for the program; further, students hold a letter confirming that they have returned all goods borrowed from the institution.

**GRADE FOR THE DIPLOMA:**

The numerical grade written in the diploma is the average of two numerical grades: one received for the thesis and its defense, and another for the final examination for the program, rounded to the closest whole number, according to HKR, §84.

**INSTRUCTOR IN CHARGE OF THE M.A. PROGRAM:**

Prof. András Máté, department chair, associate professor

## STUDY UNIT LIST

Code BMI-	Name of Study Unit	Semester When Offered	Type of Grade	Obl./Elec.	Hours/Semester	Credits	Prerequisite(s)	Ideally taken in ... semester	Host
--------------	--------------------	-----------------------	---------------	------------	----------------	---------	-----------------	-------------------------------	------

### I. BACKGROUND COURSES : 26 CREDITS

LOTD17-101E	Elements of logic, seminar	1	G	k	28	3		1	Logika
LOTD17-102E	Elements of logic, lecture	2	K	k	28	3		2	Logika
LOTD17-103E	Foundations of mathematics	1-2	K	k	28	3		2	Logika
LOTD17-104E	Introduction to Algebra	1-2	G	k	28	3		1	Logika
LOTD17-105E	Contemporary Metaphysics	1-2	K	k	28	3		1	Logika
LOTD17-106E	Philosophy of Mind	1-2	G	k	28	3		1	Logika
LOTD-107E	Logic and Philosophy of Science Seminar I	1	G	k	42	4		1	Logika
LOTD17-108E	Logic and Philosophy of Science Seminar II.	2	G	k	42	4		2	Logika

Total:      252      26

### II. CORE COURSES: 34 CREDITS

LOTD17-201E	Introduction to the Philosophy of Social Science	1	K	k	28	3		1	Logika
LOTD17-202E	Theories of Meaning	1-2	K	k	28	3		1	Logika
LOTD17-203E	Metatheory 1.	2-3	K	k	28	4		2	Logika
LOTD17-204E	Metatheory 2.	3	K	k	28	4		3	Logika
LOTD17-205E	Philosophy of Science 1.	1-2	K	k	28	3		1	Logika
LOTD17-206E	Philosophy of Science 2.	2-3	K	k	28	3		2	Logika
LOTD17-207E	Basic Problems of Metaphysics	2-3	G	k	28	3		3	Logika
LOTD17-208E	Science and Metaphysics	3	K	k	28	3		4	Logika
LOTD-209E	Logic and Philosophy of Science Seminar III.	3	G	k	42	4		3	Logika

LOTD17-210E	Logic and Philosophy of Science Seminar IV.	4	G	k	42	4		4	Logika
-------------	---	---	---	---	----	---	--	---	--------

Total: 308 34

### III. SPECIALISATION COURSES: 28 CREDITS

Students are required to complete 8 (eight) of these units

LOTD-305E	Set theory, model theory I	2-4	K	kv	28	4		2	Logika
LOTD-306E	Set theory, model theory II	2-4	K	kv	28	4		3	Logika
LOTD-307E	Set theory, model theory III	2-4	K	kv	28	4		4	Logika
LOTD-308E	Logical models of scientific theories I	2-4	G	kv	28	4		3	Logika
LOTD-309E	Logical models of scientific theories II	2-4	G	kv	28	4		4	Logika
LOTD-315E	Philosophy of mathematics I	2-4	G	kv	28	4		3	Logika
LOTD-316E	Philosophy of mathematics II	2-4	G	kv	28	4		4	Logika
LOTD-317E	Philosophy of mathematics III	2-4	G	kv	28	4		4	Logika
LOTD-325E	Algebraic logic, category theory I	3-4	G	kv	28	4		3	Logika
LOTD-326E	Algebraic logic, category theory II	3-4	G	kv	28	4		4	Logika
LOTD-327E	Algebraic logic, category theory III	3-4	G	kv	28	4		4	Logika
LOTD-328E	Proof theory I	3-4	K	kv	28	4		3	Logika
LOTD-329E	Proof theory II	3-4	K	kv	28	4		4	Logika
LOTD-411E	Theory of meaning, philosophy of language I	2-4	K	kv	28	4		2	Logika
LOTD-412E	Theory of meaning, philosophy of language II	2-4	K	kv	28	4		3	Logika
LOTD-413E	Theory of meaning, philosophy of language III	2-4	K	kv	28	4		4	Logika
LOTD-414E	Formal linguistics I	2-4	G	kv	28	4		3	Logika
LOTD-415E	Formal linguistics II	2-4	G	kv	28	4		4	Logika
LOTD-416E	Formal linguistics III	2-4	G	kv	28	4		4	Logika
LOTD-511E	Methodology of the social sciences I	2-4	K	kv	28	4		2	Logika
LOTD-512E	Methodology of the social sciences II	2-4	K	kv	28	4		3	Logika
LOTD-513E	Methodology of the	2-4	K	kv	28	4		4	Logika

	social sciences III								
LOTD-514E	Game theory, decision theory I	2-4	G	kv	28	4		3	Logika
LOTD-515E	Game theory, decision theory II	2-4	G	kv	28	4		4	Logika
LOTD-516E	Game theory, decision theory III	2-4	G	kv	28	4		4	Logika
LOTD-611E	The conceptual world of physics	2-4	K	kv	28	4		2	Logika
LOTD-612E	Logical structure of physical theories I	2-4	K	kv	28	4		3	Logika
LOTD-613E	Logical structure of physical theories II	2-4	K	kv	28	4		4	Logika
LOTD-614E	Interpretations of quantum theory I	3-4	G	kv	28	4		3	Logika
LOTD-615E	Interpretations of quantum theory II	3-4	G	kv	28	4		4	Logika
LOTD-616E	Interpretations of quantum theory III	3-4	G	kv	28	4		4	Logika

#### IV. FREE ELECTIVES: 8 CREDITS

Freely chosen electives may be chosen from any of the courses offered by ELTE, respecting the general rules of course registration.

#### V. THESIS, FINAL EXAMINATION: 20 CREDITS

LOTD-SZD	Thesis	4	D	k	0	20		4	Logika
	Final Examination	4	Z	k	0	0		4	

**Total: 0 20**