



ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΕΙΡΑΙΩΣ  
**UNIVERSITY OF PIRAEUS**

**DEPARTMENT OF DIGITAL SYSTEMS**



**DEMOKRITOS**

**INSTITUTE OF INFORMATICS AND TELECOMMUNICATIONS**



# **REGULATION FOR THE WRITING OF THE MASTERS' THESIS**

## **Article 1**

### **Master's Thesis**

The Master's Thesis (MT) is a compulsory course in the 3rd semester of the Inter-institutional Master's Program in "Artificial Intelligence" (MSc in AI) and is equivalent to thirty (30) ECTS credits.

The MT is part of the subject matter of the MSc in AI and must demonstrate advanced theoretical knowledge, practical skills, critical thinking, problem analysis and synthesis abilities, and research capabilities in issues, methods, and methodologies related to Artificial Intelligence. It may address empirical, theoretical, or applied topics and can be carried out in collaboration with private or public entities that have a particular interest in the development of methods and innovations related to Artificial Intelligence.

MTs are mainly individual, but in exceptional cases, and if the need and distinct contribution of students can be justified, the approval of the Curriculum Committee is required to allow the assignment of an MT to a group of students.

## **Article 2**

### **Duration of the Master's Thesis**

The duration of the thesis is set for one semester, but Article 7, Paragraph 2 of the MCs in AI Operational Regulations allows for an extension of this period.

## **Article 3**

### **Undertaking and Writing of the Master's Thesis**

At the end of the second semester of each study cycle, the faculty members of the MSc in AI submit to the Director of the MSc in AI a list of thematic areas for master's theses, which are published for students by the Director of the MSc in AI in a designated section on the MSc in AI website.

In addition to the thematic areas proposed by the MSc in AI faculty members, thematic areas proposed by private or public entities that are particularly interested in the development of methods and innovations related to Artificial Intelligence can be added, following the approval of the Curriculum Committee.

Master's students select a thematic area and a supervisor, and with their supervisor's agreement, submit a proposal for the thesis to the MSc in AI Secretariat, following the Thesis Proposal template (Annex M4.2.1). The deadlines for submitting thesis proposals are set by the Curriculum Committee of the MSc in AI.

In case of undertaking a MT in collaboration with a third entity, the student must submit a thesis proposal according to the templates provided in Annex M4.2.6.

The Curriculum Committee approves the proposals and appoints a three-member examination committee including the supervisor.

Only faculty members of the MSc in AI have the right to supervise theses.

By decision of the Curriculum Committee, the supervision of theses may also be assigned to faculty members of the Department of Digital Systems, scientific collaborators, or special technical staff of the Department, visiting professors or researchers, or specialists from research and technological entities as outlined in Article 13A of Law 4310/2014, or other research centers and institutes in Greece or abroad, provided they hold a doctoral degree.

The members of the examination committee must have the same or related scientific specialization to the subject of the program.

In case of an MT undertaken in collaboration with an external implementing entity, both the student and the entity must submit a certification of the MT start according to the templates of Annex M4.2.6.

The Curriculum Committee make efforts to equally distribute the Master's Theses among the MSc in AI faculty members.

The design of each student's Master's Thesis is the responsibility of the supervisor.

The Master's Thesis may be written in English as well as in Greek. In this case, an extended summary in Greek must also be provided.

Both the supervisor and the student are responsible for ensuring that the MT adheres to the principles of the Institution's Academic Ethics and Research Code of Conduct.

During the writing of the MT, students are required to submit a progress report to the Curriculum Committee of the MSc in AI every two months, within 15 days after the end of each two-month period. This report must be signed by at least the supervisor, following the progress report template (Annex M4.2.2).

Changing the thematic area and/or supervisor of the Master's Thesis is permitted. The relevant request must specify the new thematic area and/or supervisor with their agreement. The request is examined and approved by the Curriculum Committee.

The Curriculum Committee approves a Guide for writing the Master's Thesis, which is communicated to the students. This guide includes instructions for writing the thesis, such as cover page, logo, font, minimum-maximum word count, etc. (Annexes M4.2.4 and M4.2.5).

The submission of the Master's Thesis for examination requires that the student has passed all the courses of the MSc in AI.

Upon completion of the MT in collaboration with an external entity, both the student and the entity must submit a certification of completion according to the templates in Annex M4.2.6.

#### **Article 4 Examination and Grading of the Master's Thesis**

The examination of the Master's Thesis may begin during the examination period of the second semester of the student's studies.

The examination of each Master's Thesis includes a brief presentation and demonstration of any systems that may have been developed as part of the thesis, in front of the corresponding three-member examination committee and audience.

The three-member examination committee grades the Master's Thesis on a special form (Annex M4.2.3), which is signed by all three members and is submitted by the supervisor to the MSc in AI Secretariat for storage.

If the thesis is graded successfully by the examination committee, the student is required to upload it to the Institutional Repository 'DIONE' of the University of Piraeus Library, as per the decision of the University Senate. Abstracts in Greek and English, along with a link to the full text in 'DIONI', must be sent by the student to the MSc in AI Secretariat for publication on the MSc in AI website.

In case of an unsuccessful examination, the three-member examination committee may return the thesis for revision once. The re-examination can take place within one (1) to four (4) months from the date of the unsuccessful examination and return. In this case, the study duration is extended by four (4) months.

#### **Article 5 Student Information and Standard Documents**

The standard documents for the process of undertaking, writing, and grading the Master's Thesis are posted in a dedicated section of the MSc in AI website.

The Curriculum Committee, the Director, the Academic Mobility Coordinator, and the Academic Advisors are responsible for informing students about the process of undertaking, writing, and grading the Master's Thesis and resolving any disputes arising during the application of this regulation.

This regulation was approved by the SPC of the MSc in AI during its 38th meeting (20/12/2023, Agenda Item 6) and has been implemented.