

## **Final exam regulation - Master's degree program in Data Science FDS01Q (LM Data - Data Science)**

### Art. 1 – Master of Science title:

The Master of Science in Data Science title is awarded upon passing a final exam. The final exam consists in the presentation and discussion of a thesis developed by the student in an original way under the guidance of a supervisor.

### Art. 2 - Master's degree final work:

The Master's degree final work (hereinafter thesis) constitutes the conclusion of the student's educational path. The thesis consists of a written work containing the contributions and/or results achieved by the student through an activity concerning topics consistent with the educational objectives of the Master's degree course. The thesis work is carried out under the supervision of a supervisor identified among the professors of the course of study at the time of submitting the application for thesis assignment. The thesis must be written in English. The thesis can be carried out not only internally at the University of Milan - Bicocca, but also at companies, organizations or universities, even non-Italian ones.

### Art. 3 - Supervision of the final work:

The Supervisor can be supported by a Co-supervisor. In the event that the supervisor does not participate in the final exam, he/she must provide his/her written opinion to the Graduation Commission. The external thesis is normally carried out under the supervision of an expert from the external Company/Body/University where the thesis was carried out, as Co-supervisor.

### Art. 4 - Request and assignment of the thesis:

In order to start the thesis activity, the student must formulate, in agreement with the supervisor and any co-supervisor, a thesis proposal and send it to the Teaching Office which will submit it to the Teaching Commission for approval. The "*thesis assignment proposal*" form, signed by the supervisor, must be sent to the Teaching Office by the deadlines and modalities published on the course website. The format of the proposal is shown on the course website.

After verifying possession of the formal requirements, the Teaching Office forwards the proposal to the Teaching Commission, which promptly evaluates it by approving or rejecting it. The thesis assignment proposal can be submitted if the student has passed exams for at least 54 CFU. The commitment required by the thesis and its duration are commensurate with the number of credits recognized at the final exam by the relevant Teaching Regulation for the students.

### Art. 5 - Final exam:

The final exam involves the presentation and discussion of the thesis in a public session and must be held in English (according to the Teaching Regulation). The final exams take place over at least four sessions, distributed throughout the Academic Year; their dates are communicated on the course website at least 180 days in advance and in any case in time to submit the thesis assignment form. One week before the date of each graduation session, the date, time and place of the sessions and the composition of the Degree Commissions are published on the Course website.

### Art. 6 - Graduation Commission:

The Graduation Commission is appointed according to the procedures set out by the University Teaching Regulation and the Student Regulation. Supervisors and Co-supervisors are usually members of the Graduation Commission. The Co-supervisors, if not already members of the Degree Commission, are invited to participate in the work of the commission in a consultative capacity only.

#### Art. 7 - Counter-supervisor:

A counter-supervisor is assigned to each thesis, in order to examine the thesis and formulate an opinion on its quality. The counter-supervisor is designated by the Teaching Commission in the preparation phase of the Degree Commission and undertakes to participate in the graduation session. The Counter-supervisor cannot be the Supervisor or Co-supervisor of the thesis. In the event that the Counter-supervisor does not participate in the final exam, he/she must provide his/her written opinion to the Degree Commission.

#### Art. 8 - Evaluation of the final exam:

The Degree Commission expresses the final evaluation as one hundred and ten with the possible awarding of honors. The Degree Commission assigns a score between 0 and 9 points.

According to art. 30 of the University Student Regulation, the calculation of the average for access to the final exam is weighted (weighted according to the CFU of each single course).

For the purposes of calculating the final average, exams in which the student has obtained a grade with honors are counted with the value of 31.

If the final average is higher than 110, the candidate's score is automatically reduced to 110. The Degree Course Teaching Regulations may establish the methods for acquiring additional points.

The Degree Commission can also evaluate the following elements:

- number of honors;
- possible international mobility;
- program completion in two years.

The evaluation expressed by the Degree Commission takes into account cultural maturity, personal intellectual processing capacity, as well as the quality of the work carried out during the thesis. In particular, as regards the thesis work, they will take into account the following aspects:

- the quality and innovativeness of the content of the thesis, including the results achieved;
- coherence between the objectives of the thesis and the results achieved;
- the orderly and coherent organization of the topics covered in the dissertation;
- mastery of the specific vocabulary of the discipline covered by the thesis;
- critical knowledge of the relevant literature;
- mastery of the technologies and methodologies used and their consistency with the objectives of the thesis project.

The awarding of honors to graduating students who achieve an overall score of 110/110 is assigned only if all members of the Degree Commission agree on the excellent quality of the dissertation, based on all the above criteria, considering the opinions of the Supervisor and Counter-supervisor and the student's entire study path.

#### Art. 9 – Final rule:

For anything not explicitly regulated in this Regulation, reference will be made to the current legislation on the matter and, in particular, to the Student Regulation and the Teaching Regulation of the University.

Annex: Thesis Assignment Proposal form

UNIVERSITY OF MILANO-BICOCCA  
MASTER'S DEGREE PROGRAM IN DATA SCIENCE

**THESIS ASSIGNMENT PROPOSAL**

Name.....Surname.....

Identification number (*matricola*).....

Address.....City.....CAP.....

Phone.....e-mail.....

The request can be sent only if the student has already achieved **at least 54 CFU** within the activities of the approved study plan.

**ACTIVITIES/EXAMS ALREADY PASSED (ACCORDING TO THE APPROVED STUDY PLAN)**

*(if a course is constituted by two modules: write the complete course name in case both modules have been passed; otherwise, write the name of the module taken in case only one module has been passed):*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_

**ACTIVITIES/EXAMS TO BE PASSED (ACCORDING TO THE APPROVED STUDY PLAN)**

*(if a course is constituted by two modules: write the complete course name in case both modules have still to be passed; otherwise, write only the name of the module still to be passed):*

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_

**THESIS TITLE (approximate):**

.....  
.....  
.....

**PLACE WHERE THE THESIS WILL BE DEVELOPED:**

University of Milano-Bicocca:

Please specify Department and Laboratory:.....  
.....

Externally:

Please specify Company/Institution name:.....  
.....

**SUPERVISOR AND POSSIBLE CO-SUPERVISORS NAME AND SURNAME:**

*(the supervisor must be a Data Science professor; in case of thesis developed externally, a co-supervisor should be from the Company/Institution)*

SUPERVISOR .....

e-mail..... phone (not mandatory) .....

CO-SUPERVISOR (if any).....

e-mail..... phone (not mandatory) .....

SECOND CO-SUPERVISOR (if any) .....

e-mail..... phone (not mandatory) .....

