



POLITECNICO
MILANO 1863

Final examination

Angela Tumino

Each final project involves at least two types of actors:

- 1) The **student**, who is responsible for the content, the time management and all the activities needed for the design and development of the thesis. **The thesis can be written by one or two students**
- 2) The **supervisor**, a Professor or Assistant Professor at Politecnico di Milano, who guarantees that the work is relevant and coherent with the expected learning objectives of the MSc in Management Engineering. The supervisor evaluates the work consistently with the evaluation rubrics provided by the School of Industrial and Information Engineering

Further possible actors involved:

- 1) The **co-supervisor**, a research assistant, a professor or any other person who supports the supervisor in supervising the thesis
- 2) The **reviewer**, who is not involved in the supervision of the student's work and is selected to evaluate the thesis, when requested by the supervisor in line with the requirements of the School of Industrial and Information Engineering

The final examination for the Master of Science consists in the **presentation and discussion**, by the student, **of a thesis providing a theoretical, experimental and/or project-based contribution**, developed in an original way under the guidance of a supervisor

If the thesis is judged by the supervisor to be particularly deserving for its original contents AND for the personal contribution of the student, a reviewer is also involved, and he/she formulates an opinion on the work to be submitted to the graduation committee

Main info

	Without reviewer	With reviewer
Score	Between -1 and 4/110	Between -1 and 7/110 (+ max 1 extra-point in case of excellence)
Evaluation	50% supervisor 50% graduation committee	30% supervisor 20% reviewer 50% graduation committee
Cum Laude	NO	Following the rules of the school (see later)
Presentation	MAX 10 minutes + questions	MAX 15 minutes + questions
Number of authors	MAX 2	MAX 2
Executive summary	Not compulsory, but recommended	COMPULSORY

ONLY in case of theses with reviewer, the graduation committee may decide to award honors (“cum laude”), if both the the following conditions are true:

1. **All** the members of the graduation committee agree to assign the “cum laude”;
2. **$V > \max(113 - 0.5L, 111)$** , where:
 - V is the final evaluation without rounding
 - L is the number of exams in which the student obtained “cum laude”

Theses without reviewer can be based on:

- ***Empirical activities***, described within a solid theoretical background, leading to relevant implications for academics and practitioners (**on average 50-150 pages, MAX 200 pages**, excluding bibliography and attachments)
- ***Systematic literature review*** in which students analyze the literature on a specific and consolidated topic, providing a synthesis of what has been studied so far, identifying the topics currently under investigation and defining possible future lines of research (**on average 50-150 pages, MAX 200 pages**, excluding bibliography and attachments)
- ***Case study***, in which students must find a case (e.g. based on a short internship), identify a specific problem, and formulate a solution by applying models and / or methodologies consistent with the topics of the MSc in Management Engineering (**on average 40-50 pages + Digital and multimedia material**)

- A thesis with reviewer is characterized by the development of **new knowledge and / or innovative approaches** with reference to a **topic of interest both to the scientific community and to practitioners and / or policy makers**. The work must present a discussion of the results obtained aimed at highlighting the theoretical and practical / managerial implications
- The originality lies in:
 - the critical review of literature
 - the development of research questions, hypotheses, and frameworks
 - new models and empirical evidence
 - the discussion of the empirical results and the implication of the results
- The manuscript length on average is **between 100 and 150 pages** (excluding bibliography and any attachments). In any case, **the maximum length allowed is 200 pages** (excluding bibliography and any attachments).

The evaluation provided by the supervisor (and eventually the reviewer) is based on evaluation rubrics. The evaluation refers to:

- Contents (theoretical contents, methodology, novelty, discussion of the results, ...)
- Manuscript (thesis structure, clarity of the text, the graphs, ...)
- Personal skills (motivation, personal contribution, autonomy,)
- Extended executive summary

Some available theses:

- <https://www.som.polimi.it/course/laurea-magistrale/#bacheca-tesi>

Guidelines for the final project:

- [Supplementary regulation of Degrees and Master's Degrees in Management Engineering](#)
- [Regulation](#) of the School of Industrial and Information Engineering
- Suggested template for the final thesis and the executive summary on the [Website](#) of the School of Industrial and Information Engineering

