

**POLITECNICO DI MILANO**  
**SCHOOL OF**  
**ARCHITECTURE, URBAN PLANNING AND CONSTRUCTION ENGINEERING**

**SUPPLEMENTARY FINAL EXAM REGULATIONS**  
**FOR THE LAUREA MAGISTRALE (EQUIVALENT TO MASTER OF SCIENCE) PROGRAMME**  
**IN BUILDING AND ARCHITECTURAL ENGINEERING**

The present document regulates the implementation of the Laurea Magistrale (equivalent to Master of Science) in Building and Architectural Engineering Final Exam in accordance with article 8.1 of the University Laurea and Laurea Magistrale Exam Regulations and chapter II.3 of the Supplementary Regulations for the Final Laurea and Laurea Magistrale Exams of the School of Architecture, Urban Planning and Construction Engineering.

For any matters not expressly cited in these regulations refer to these documents.

**Art 1. Work presented at the Final Exam**

The final exam of the Laurea Magistrale (equivalent to Master of Science) in Building and Architectural Engineering consists in presenting and discussing a final dissertation (Laurea thesis) as indicated by Art. II.1.2 of the AIUC School's Final Exam Regulations. This thesis must be original in terms of scientific content (theoretical, numerical or experimental, design or technological) or in terms of complexity and the interweaving of the various skills necessary for the attainment of the finished thesis.

**Art. 2. Laurea Thesis Elaboration Levels**

The Building and Architectural Engineering Laurea Thesis, without prejudice to the principles set out in article 1, can be:

- a highly complex dissertation defining the issue dealt with, contextualising it theoretically and critically discussing the results and perspectives, or
- a dissertation comprising just one of the aspects mentioned above.

In the former case theses are assessed before they are presented by supervisors and co-examiners (thesis with co-examiner). In the latter case only a supervisor is required (thesis without co-examiner).

The choice of the two thesis types is to be agreed with the supervisor-professor whose decision on the subject will be final.

**Art. 3. Laurea thesis contents**

For the Architectural Engineering track the laurea thesis consists in developing an original project in which students must demonstrate their ability to integrate contributions from the subject matter dealt with in their study trajectories. This multi-disciplinary process can be developed

either by adopting a systematic methodological process founded on engineering controls or taking on especially advanced and complex themes with specialist in-depth study on innovative aspects of the problem.

For the Building Engineering track, the Laurea Thesis consists in an in-depth examination of one or more specialist aspects of those dealt with in the study trajectory. This must in any case present original elements as compared to the state of the art and can be developed in its general methodological aspects or applied to an original design case study or one chosen from those dealt with in the course of study.

#### **Art. 4. Laurea thesis validity**

The validity of a Laurea Thesis developed by more than one author is set at 2 years after that by a first author except where extensions are granted by the Dean or his or her delegate on well-motivated request by a supervisor.

#### **Art. 5. Writing a Laurea thesis**

The final dissertation must be in A4 page layout either vertical or horizontal and bound. Any plates must be integrated into the thesis in the appropriate chapter in suitable A4 or A3 (folded into A4 format in the printed version) scale.

Theses should be no longer than 300 pages (printed pages) excluding plates.

#### **Art. 6. Experts invited to the Operational Board**

External experts, especially where these have followed candidates registered on the laurea session, can be invited to take part in the Operational Board's work without voting rights. Such invitations are sent by the Registrar's office on recommendation by the President of the Single Board where the latter is convinced of the supervisor's motives for requesting this.

#### **Art. 7. Discussing a Laurea thesis**

On the occasion of the Final Exam candidates must submit to the Operational Board:

- a copy of the presentation on digital supports with the exception of those covered by privacy clauses;
- a printed copy of the Laurea Thesis which will be returned to candidates after discussions are complete. Any plates must be printed and bound in an A3 or larger format album.

The Laurea thesis will be presented in the classroom with slides. Presentations:

- must highlight the thesis's original elements and must not be simply illustrative;
- must not last more than 15 minutes per thesis without co-examiner;
- must not last more than 20 minutes per thesis with co-examiner;

The time frames shown do not comprise questions by the Operational Board, supervisor and co-examiner (where applicable).

Only students regularly registered on the Laurea Session are eligible to present theses and respond to subsequent questions by the Operational Board.

### **Art. 8. Laurea Thesis writing and discussion**

In the Laurea Magistrale (equivalent to Master in Science) Building and Architectural Engineering Programme of Study theses are to be written in English. The language to use for the presentation of the work is English.

All theses must in any case contain one synopsis in Italian and one in English as indicated in article II.1.5 of the AIUC School's Final Exam Regulations.

### **Art. 9. Laurea marks**

The general regulations for assigning laurea marks are fixed by articles II.2.2 and II.2.3 of the AIUC School's Final Exam Regulations.

For Laurea Theses in Building and Architectural Engineering maximum marks are fixed as follows:

- from -1 to + 8 points for theses with co-examiner;
- from -1 to + 4 points for theses without co-examiner.

### **Art. 10. Internal Joint Lauree**

#### **Art. 10.1. Joint Laurea Thesis contents**

The contents of Joint Laurea Theses must respect the general principles set out in article 3 of these regulations and, at the same time, present a cross-disciplinary approach to the internal Joint Laurea programme attended by candidates.

#### **Art. 10.2. Number of authors of a Joint Laurea Thesis**

The maximum number of authors of a Joint Laurea Thesis is set out in the most restrictive of the Supplementary Regulations of the Schools involved in the Internal Joint Laurea.

#### **Art. 10.3. Joint Laurea Thesis discussion**

Candidates on an Internal Joint Laurea are called on to discuss theses before the Laurea Board of the programme of study attended. On the occasion of Joint Laurea Thesis discussions, the Operational Board of the Building and Architectural Engineering Programme must comprise at least one external member from the Single Board of the second Laurea Magistrale (equivalent to a Master of Science) programme included in the Internal Joint Laurea agreement. In such sessions candidates obtain a Laurea Magistrale (equivalent to Master of Science) in Building and Architectural Engineering qualification with subsequent validation of the second qualification.

#### **Art. 10.4. Joint Laurea marks**

For Joint Laurea marks and the awarding of magna cum laude the most restrictive of the regulations set out in the Supplementary Regulations of the Schools or Programmes of Study comprised by the Internal Joint Laurea agreement applies.