The Rector

HAVING REGARD TO Politecnico di Milano's Articles of Association;
HAVING REGARD TO Ministerial Decree 3.11.1999, no. 509;
HAVING REGARD TO Ministerial Decree 22.10.2004, no. 270;
HAVING REGARD TO the University's Educational Rules - Regulations;
HAVING REGARD TO the Regulation for 1st and 2nd level Specialising Masters, Post Graduate Courses and Continuing Education of Politecnico di Milano issued with Rector's Decree no. 6485 of 30.05.2024;
HAVING ACQUIRED the favourable opinion of the Academic Senate during the meeting on 22.06.2026, on the establishment and activation of proposals for Specialising Masters, including the second level Specialising Master in "BIM FOR PROJECT AND CONTRACT MANAGEMENT IN CONSTRUCTION WORKS".

HEREBY DECREES

that the second level Specialising Master in "BIM FOR PROJECT AND CONTRACT MANAGEMENT IN CONSTRUCTION WORKS" is established and activated for the years 2027/2028.

ART. 1
Master's features

The second level Specialising Master in "BIM FOR PROJECT AND CONTRACT MANAGEMENT IN CONSTRUCTION WORKS" has been set up and activated at the Department of Architecture, Built Environment and Construction Engineering.

The Master is provided by CONSORZIO CIS-E - POLITECNICO DI MILANO. The reference school is the School of Architecture, Urban Planning and Construction Engineering.

The Specialising Master's Director is Professor Gianandrea Ciaramella. The Vice-Director is Professor Roberto Cigolini.
The Scientific Committee of the Specialising Master's programme is composed by:

- Professor GIANANDREA CIARAMELLA - POLITECNICO DI MILANO
- Professor PIETRO GIUSEPPE CRESPI - POLITECNICO DI MILANO
- Professor PAOLA RONCA - POLITECNICO DI MILANO
- Professor ALBERTO FRANCHI - POLITECNICO DI MILANO
- GIOVANNI FRANCHI - CONSORZIO CISE
- Professor ROBERTO CIGOLINI - POLITECNICO DI MILANO
- MARCO ZUCCA - CONSORZIO CISE

ART. 2
Educational objective and employment opportunities

This specializing master course aims to give the main tools of project and contract management to both engineers and architects. Nowadays it is getting more and more important to know how any project should be managed from its inception to its end, in order to optimize costs and to get forward according to a predefined schedule. During this specializing master the students will be introduced to the theory of project management, of investment valuation, and financial accounting. They will receive all the information needed to obtain the PMI (Project Management Institute) certifications and the IPMA (International Project Management Association) certifications. They will receive all the information needed to become a Lean Green Belt Project Leader. They will also be introduced to data analysis. They will be introduced to forensic engineering with specific regard to

how the FIDIC contracts are to be written, read, and managed. Delay analysis and determination of the quantum are two important units about contract management. All these PM and contract management tools will be enhanced with BIM (Building Information Modeling) softwares for architectural design, structural design, mechanical design, and facility management. The BIM philosophy and its softwares have proven to be very useful: both engineers and architect must get acquainted with them. They will permit a team of architects, engineers and project managers to be more integrated and to work more seamlessly toward the shared goal of project completion in time and on budget.
The job opportunities opened by the skills acquired following the lessons of this specializing master are varied and plentiful: construction firms, engineering companies, real-estate developers, general contractors, government agencies, etc., all of them need and look for project managers who know how deal and effectively manage contracts, claim, and delays. Many large general contractors, engineering firms, and producers have already confirmed to us to be extremely interested in employing technicians equipped with the set of skills the Master will provide.

The Master's will be delivered online and in English language.

ART. 3
Teaching content and organisation

The Specialising Master's will start in **March 2027** and will end in **March 2028**.

This specializing master is made of 534 hours of lectures split between 414 hours of various project and contract management subjects and 120 hours of BIM management. No intermediate tests are scheduled, while at the end of the course 180 working hours will be dedicated to the writing of a master thesis that will be reviewed and judged by the academic committee. The subject of the master thesis will be explained to the students at the end of the period of lessons. After that each student will be able to write her/his master thesis autonomously.

The master's is a **61 ECTS** programme and teaching will be organised as follows:

Teaching activity	**MANDATORY Courses**		
Subject	**SSD**	**Total Hours**	**ECTS**
BIM Regulations and standards	ICAR/14	50	**2**
Data as asset: PIM (Product Information Modeling) and AIM (Asset Information Modeling)	ICAR/12	50	**2**
Schedule and computing (4D and 5D)	ICAR/12	25	**1**
Building management and maintenance (6D and 7D)	ICAR/12	25	**1**
Common data environment and other tools for the digital future of the construction field	ICAR/09	50	**2**
Oracle Primavera P6	ICAR/09	75	**3**
Legal BIM	ICAR/12	25	**1**
AI in contruction: fundamentals and best practices	ICAR/13	50	**2**
Fundamentals of management engineering	ING-IND/35	225	**9**
Certificazione Internazionale Project Management IPMA® (Level D, Level C, Level B, Level A) / IPMA® International Project Management Certification (Level D, Level C, Level B, Level A)	ING-IND/35	50	**2**
PMI project management certifications (CAPM® and PMP®)	ING-IND/35	128	**5**
Lean Six Sigma Green Belt Project Leader	ING-IND/28	155	**6**
Real estate valuation and valorization	ICAR/12	82	**3**
Leadership & soft skills + communication and public speaking	ING-IND/35	68	**3**
Data analyst	ICAR/12	50	**2**
Data analysis with Matlab	ICAR/12	25	**1**
Contracts by international standards (FIDIC, JCT, NEC, AAA)	ICAR/11	25	**1**
Introduction to Contract Management for FIDIC contracts (Red, Pink, Yellow, and Silver)	ICAR/12	50	**2**

Introduction to Claim Management for FIDIC contracts (Red, Pink, Yellow, and Silver)	ICAR/12	50	**2**
Introduction to Delay Analysis	ICAR/12	50	**2**
Determination of the quantum	ICAR/12	25	**1**
Forensic Engineering: from claim to dispute, dispute boards, arbitration	ICAR/12	25	**1**

Other activities	**MANDATORY Course**		
activity	**SSD**	**Total Hours**	**ECTS**
Thesis preparation, discussion and final exam	n.a.	180	**7**

ART. 4
Admission requirements

Admission is open to candidates holding a Master of Science. Foreign academic qualifications will be accepted, provided they are deemed suitable for admission to the programme in accordance with the applicable regulations. The maximum number of admitted students is 40. The selection process is carried out by the Scientific Committee.

ART. 5
Formal requirements

The **admission application** must be submitted starting from the day after the date of this Decree and in compliance with the following deadlines:

- citizens of European Union Member States: **by 1 March 2027**.
- citizens of non-EU countries: **by 1 March 2027**.

The extended information on data processing and data subject rights is available on the website www.polimi.it\privacy.

The managing authority delivering the program must provide students with all the necessary set of forms and information on how to correctly apply to the Master's.

Once the validity of the qualification has been verified, the Managing Body will advise the student on the documentation needed to prove the authenticity of their qualification, in accordance with the MIUR/MAE's note "Procedures for entry, residency and enrolment of international students and the respective recognition of qualifications, for higher education courses in Italy for the academic years 2026/2027 and 2027/2028".

In particular, the Managing Body can request the following documents:

*** Italian/foreign citizens having graduated in Italy**

- copy of the identity document
- copy of the Diploma Supplement or copy of the degree diploma or self-certification through the appropriate form provided by the Master's Managing Authorithy.

*** Italian/EU citizens with qualification obtained abroad**

- copy of the identity document
- **copy of the academic qualification** in original language and its translation into Italian/English/French or Spanish
- copy of transcripts with the list of exams in the original language and their translation into Italian/English/French or Spanish or Diploma Supplement in English language (**when enrolling, the students have to submit:**

- **the Declaration of Value issued by the relevant area's Italian Representative abroad** or
- the **Diploma Supplement with digital signature or electronic time stamp** or, in case of absence of digital signature/electronic time stamp, **the Diploma supplement with e-apostille** or
- **a certificate issued by the CIMEA** or
- **a certificate issued by the World Education Services - WES).**

Under Art. 75 of Italian Presidential Decree 445/2000, if the Administration, after carrying out suitable checks, finds that the content of the declarations made by the applicant is untrue, the declarant forfeits any benefits obtained through the untrue declaration.

*** Non-EU citizens having graduated abroad**

Non-EU foreign citizens must submit the following documents to the Managing Authority:

- **copy of the degree** in the original language and its translation into Italian/English/French or Spanish;
- **copy of the transcripts** with the list of exams in the original language and their translation into Italian/English/French or Spanish (**when enrolling, the students have to submit:**
  - **the Declaration of Value issued by the relevant area's Italian Representative abroad** or
  - **a certificate issued by the CIMEA** or
  - **a certificate issued by the World Education Services - WES.**
- **copy of a** valid **passport)**

After the acceptance from the University, and only after confirming to the Managing Authority their participation to the programme in accordance with its procedures, students will have to register on the Ministerial portal https://www.universitaly.it . Once the registration has been completed, the student will have to inform the Managing Authority, so that the application can be sent to the authorities responsible for issuing the entry visa.

It is also specified that:

- the preliminary acceptance of a candidate by the university **does not grant any right to obtain the visa**;
- obtaining a student visa issued by the competent diplomatic-consular representation **does not grant any right to complete the enrollment**.

The managing authority informs Politecnico di Milano Masters and Continuous Educations unit, about the starting date of the course **AT LEAST two months before the starting date.**

ENROLMENT PROCESS:

Students admitted to the Master's Programme must obtain the access credentials to Politecnico di Milano's online services on the website www.polimi.it, enter their personal data and attach valid identity document (passport for non-EU citizens). Students already registered are expected to update their personal details, if these are obsolete.

Portal access credentials must be safely kept since they will be required for the access to all Politecnico di Milano's services. Lost credentials can be autonomously restored or obtained through an OTRS ticket.

In order to proceed with the enrolment, students admitted to the Masters' must pay the enrolment fee as well as the enrolment stamp via Politecnico di Milano's online services.

In addition to the above documentation, **non-EU citizens must upload a copy of a valid entrance document as well as the residence permit, on their online services personal data record**.

In order to be enrolled at Politecnico di Milano, regardless of the Master's delivery mode (in person, online/distance learning), **non-EU citizens must upload a copy of a valid passport on their online services personal data record**.

ART. 6
Degree and award recognitions

ISSUED CERTIFICATION
In order to be able to take the final exam, students admitted to the Master's final examination have to pay the due fee through the online services of Politecnico di Milano.

At the end of the Programme, upon completion of the course and after passing the final test, the student will be awarded the second level specialising Master in "BIM FOR PROJECT AND CONTRACT MANAGEMENT IN CONSTRUCTION WORKS", in English language.

STUDENT OBLIGATIONS
Attendance is compulsory for at least 80 per cent of the programme activities.
Withdrawal from the Programme must be communicated in written form. The training period cannot be suspended for any reasons.

TESTING METHODS
The final exam will consist of the discussion online of the master's thesis.

ART. 7
Tuition fees and contributions

The cost of this Specialising Master programme, is **€ 3.000,00** divided as follows:

- Politecnico di Milano enrolment fee is **€ 500,00** per student.
- Participation fee is **€ 2.500,00** per student

Politecnico di Milano enrolment fee will not be refunded under any circumstances.

As far as the Specialising Master participation fee is concerned, it will be the managing authority responsibility to define the procedures.

ART. 8
Personal data processing

Under EU Regulation no. 2016/679 on data protection, the University processes personal data only for purposes related to the master's admission, enrolment and management, and you agree to the disclosure of your personal information to third parties, particularly:

- public and private entities possibly interested in recruitment;
- to academic programme backers; Politecnico Treasurer for services related to tuition fees;
- to Managing Authorities managing loans, housing, flexible employment contracts, cultural, recreational and/or sport activities.
- I authorise the use of the data for statistical purposes in respect of the procedures and authorisations required by the cited regulation.

The extended information on data processing and data subject rights is available on the website www.polimi.it\privacy

ART. 9
Publication

This Decree is made public on Politecnico di Milano's website at https://www.polimi.it/corsi/master-universitari-e-corsi-post-laurea/

FOR CLARIFICATIONS AND FURTHER INFORMATION, PLEASE CONTACT:

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The Rector
(prof. Donatella Sciuto)
Signed Donatella Sciuto

Digitally signed document, under legislation.