

**Study plan Master of Science a.y. 23-24  
MANAGEMENT ENGINEERING (CL LM-31)**

Exam	Module	Subject	Disciplinary sector	Period	CFU	Code	Professor	
First year	1	1a	Finance (Financial Markets)	ING-IND/35	1	6	37153ENG	Michele Meoli
		1b	Finance (Corporate Finance)	ING-IND/35	1			Stefano Paleari + foreign professor
	2	2a	Operations Management	ING-IND/17	1	6		Fabiana Pirola+ Sergio Cavalieri
		<b>One subject among the following</b>						
		2b.1	Integrated Production Systems	ING-IND/16	2	6	37196-ENG	Mariangela Quarto
	2b.2	Supply Chain Management and Logistics Network Design	ING-IND/17	2	37154-ENG		Roberto Pinto	
	3		Project Management	ING-IND/35	2	12	37197-ENG	Matteo Kalchschmidt
	4		Industrial economics	SECS-P/06	1	6	37187-ENG	Laura Ogliari
	5	5a	Data analysis for business analytics	ING-INF/04	1	6		Vincenzo Manzoni
		<b>One subject among the following</b>						
		5b.1	Statistics for digital and organisational innovation	SECS-S/02	2	6	37195-eng	Alessandro Fassò + foreign professor
	5b.2	Optimization for industrial problems	MAT/09	2	37194-eng		Maria Teresa Vespucci	
12	12a	<b>One elective from Table A-B</b>		1-2	6			
<b>TOTAL FIRST YEAR</b>					<b>60</b>			

Exam	Module	Subject	Disciplinary sector	Period	CFU	Code	Professor	Suggested subjects <sup>(9)</sup>		
								Sustainable Industrial Systems	Digital Innovation and Management	
Second year	6	6.a	Strategic Management in the Digital Economy (Theory)	ING-IND/35	1	6	37198-eng	*	*	
		6.b	Strategic Management in the Digital Economy (Practice)	ING-IND/35	2					Giovanna Campopiano
	7		Continuous Improvement & Quality Management	ING-IND/16	1	6	37199-eng	Claudio Giardini	*	*
	8	<b>One subject among the following</b>								
			Industrial Asset Management	ING-IND/17	1	6	37200-eng	Adolfo Crespo Marquez	*	
			Service Engineering, Operations and Management	ING-IND/17	2		37201-eng	Giuditta Pezzotta		*
		Simulation techniques in healthcare process	ING-IND/16	2	148005-M2		Gianluca D'Urso	*	*	
	9+10	<b>Two subjects among the following</b>								
			Public Management	ING-IND/35	1	12	37189-eng	Stefano Paleari + foreign professor	*	*
			Sustainable and Global Supply Management	ING-IND/35	1		37202-eng	Albachiara Boffelli	*	
			Sustainable Mobility management	ING-IND/35	2		37203-eng	Renato Redondi	*	
			Human Resource Management in the Digital Era	ING-IND/35	2		37204-eng	Michele Meoli		*
		Startup and digital transformation	ING-IND/35	2	37205-eng		Tommaso Minola		*	
		Transportation Economics and Management	ING-IND/35	1	37170-eng		Paolo Malighetti	*		
	Management of Global Enterprises	ING-IND/35	1	37206-eng	Albachiara Boffelli+ Mara Brumana			*		
11	<b>One subject among the following</b>									
		Laboratory Sustainable Industrial Systems (SIS)	ING-IND/17	2	6	37207-eng	Roberto Sala+ docente da definire	*		
	Laboratory Digital Innovation and Management (DIM)	ING-IND/16	2	37208-eng		Claudio Giardini+ Tommaso Minola		*		
12	12b	<b>One elective from Table A-B</b>		1-2	6					
		<b>Other skills</b>			1	37174-eng				
		<b>Project Work</b>		2	11	37175-eng				
<b>TOTAL SECOND YEAR</b>					<b>60</b>					

**Table A - Elective subjects**

Subject	SSD	Period	CFU	Code
Human Resource Management in the Digital Era	ING-IND/35	2	6	37204-eng
Industrial Asset Management	ING-IND/17	1	6	37200-eng
Integrated Production Systems	ING-IND/16	2	6	37196-E1
Lean Manufacturing	ING-IND/17	2	6	39122-ENG
Management of Global Enterprises	ING-IND/35	1	6	37206-eng
Public Management	ING-IND/35	1	6	37189-eng
Service Engineering, Operations and Management	ING-IND/17	2	6	37201-eng
Startup and digital transformation	ING-IND/35	2	6	37205-eng
Supply Chain Management and Logistics Network Design	ING-IND/17	2	6	37154-ENG3
Sustainable and Global Supply Management	ING-IND/35	1	6	37202-eng
Sustainable Mobility management	ING-IND/35	2	6	37203-eng
Transportation Economics and Management	ING-IND/35	1	6	37170-eng

Internship (Tirocinio Formativo) - Requires at least 60 cfu already attained. Please read the vademecum <a href="https://ls-ig.unibg.it/it/opportunita-ed-esperienze/tirocini-e-stage">https://ls-ig.unibg.it/it/opportunita-ed-esperienze/tirocini-e-stage</a>			6	60065
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**Table B - Special activities and summer schools**

Summer schools	CFU	Reference	Code
Summer School: Global Perspectives Of Public And Private Sector Interaction – Joint Summer School With Indiana University And University Of Ausburg	6	Prof. Michele Meoli	37180-ENG
Summer School: Summer School On Applied Health Econometrics And Health Policy, In Collaborazione Con Crisp e Università Degli Studi Di Milano Bicocca	6	Prof. Giuliano Masiero	37181-ENG
Summer School: Green Energy Management organizzata in collaborazione con le Università Milano-Bicocca, Politecnico di Milano, Roma-La Sapienza, Chieti-Pescara, Universidad de Santiago de Compostela (Spain) e University of Aveiro (Portugal)	6	Prof.ssa Maria Teresa Vespucci	37183-ENG
CREO-LAB SALUTE (in Italian)	6	Prof.ssa Mara Bergamaschi	165021
CREO-LAB SUSTAINABILITY	6	Prof.ssa Silvana Signori	179010-ENG
CREO-LAB TECNOLOGIE DIGITALI E INTELLIGENZA ARTIFICIALE (in Italian)	6	Prof. Antonio Ferramosca	38110
CREO-LAB TOURISM AND CREATIVE INDUSTRIES	6	Prof.ssa Federica Burini	44167-ENG
Programma HC.LAB: innovazione e imprenditorialità nell'healthcare	6	Prof. Tommaso Minola	37190
Summer School at the University of Southern Denmark (subjects to be defined)	6	Prof. Roberto Pinto	37191-ENG

**Some of the activities in Table B may imply a selection procedure or change over time. Only one special activity (6 cfu) from Table B can be selected.**

**IMPORTANT: these activities must be added to the study plan before they begin.**

- (1) The **Suggested subjects** provide a general indication. It is possible, however, to choose the proposed subject differently from what is suggested.