



UNIVERSITÀ
DEGLI STUDI
DELLA REPUBBLICA
DI SAN MARINO

DESID

DIPARTIMENTO DI
ECONOMIA, SCIENZE
INGEGNERIA E DESIGN

Data 16 gennaio 2026
Riferimento Delibera n.1 verbale 1/2026 DESID

Delibera del Consiglio di Dipartimento
Dipartimento di Economia, Scienze, Ingegneria e Design

Offerta formativa Corsi di Studio in Ingegneria Gestionale A.A. 2026/2027

A integrazione della precedente delibera del Consiglio DESID (Delibera n. 1 del 9 dicembre 2025 - verbale 13/2025), si propone l'Offerta Formativa programmata per i Corsi di Studio in Ingegneria Gestionale per la coorte 2026/2027 (All. 1), in collaborazione con l'Università degli Studi di Modena e Reggio Emilia.

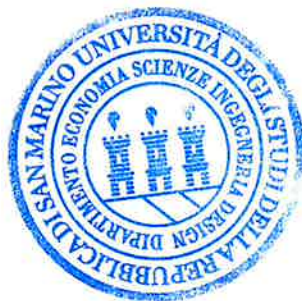
L'Offerta Formativa erogata per l'A.A. 2026/2027 (All. 2) è la seguente:

- 1° anno Laurea e Laurea Magistrale in Ingegneria Gestionale – in convenzione con Unimore
- 2° anno Laurea e Laurea Magistrale in Ingegneria Gestionale - in convenzione con Unipr
- 3° anno Laurea in Ingegneria Gestionale - in convenzione con Unipr

Il Consiglio di Dipartimento approva all'unanimità.

Direttore del Dipartimento

Prof.ssa Anna Corradi



Verbalizzante

Dott.ssa Paula M. Cenci

Estratto ad uso: Rettorato, Senato Accademico, Direttore Generale, Segreteria Studenti.

OFFERTA FORMATIVA EROGATA AA2026/2027

CORSO DI LAUREA IN INGEGNERIA GESTIONALE

1° ANNO (coorte 2026/2027 PERCORSO UNIRSM-UNIMORE)										
<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	
Fondamenti di Analisi di Matematica	MAT/05	12	A	Matematica, Informatica e Statistica	Matematica Applicata	MAT/07	9	A	Matematica, Informatica e Statistica	
Fisica generale	FIS/01	6	A	Fisica e Chimica	Geometria e Algebra Lineare	MAT/03	9	A	Matematica, Informatica e Statistica	
Fondamenti di Programmazione	ING-INF/05	6	A	Matematica, Informatica e Statistica	Inglese	/	3	E	Lingua straniera	
					Chimica	CHIM/07	6	A	Fisica e Chimica	
24					27					
2° ANNO (coorte 2025/2026 PERCORSO UNIRSM-UNIPR)										
<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	
Statistica	SECS-S/03	6	C	affine	Disegno e tecnologie di produzione - Modulo 1	ING-IND/16	6	B	ingegneria gestionale	
Elementi di fisica tecnica - Modulo 1	ING-IND/10	3	B	ingegneria meccanica	Disegno e tecnologie di produzione - Modulo 2	ING-IND/15	6	B	Ingegneria meccanica	
Elementi di fisica tecnica - Modulo 2	ING-IND/11	3	C	affine	Metodi e modelli per la gestione	MAT/03	9	A	matematica, informatica e statistica	
Sistemi informativi	ING-INF/05	6	C	affine						
				<i>TAF</i> <i>CFU</i>						
				Attività a scelta <i>D</i> 12						
				Tirocinio interno/esterno <i>F</i> 6						
18					21					
3° ANNO (coorte 2024/2025 - PERCORSO UNIRSM-UNIPR - II PERIODO PRESSO UNIPR - PROVA FINALE PRESSO UNIRSM)										
<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	
Impianti industriali	ING-IND/17	12	B	Ingegneria della sicurezza e protezione industriale	Gestione della produzione	ING-IND/17	9	B	ingegneria meccanica	
Gestione ed organizzazione aziendale	ING-IND/35	9	B	ingegneria gestionale	Marketing e finanza - Modulo 1	ING-IND/35	6	B	ingegneria gestionale	
Controllo di gestione	ING-IND/35	9	B	ingegneria gestionale	Marketing e finanza - Modulo 2	SECS-P/08	3	C	affine	
					Diritto commerciale	IUS/04	6	C	affine	
					Total quality management	ING-IND/17	6	B	Ingegneria meccanica	
					Prova finale	-	3	E		
30					33					

51

57

63

ATTIVITA' A SCELTA			
Chimica	CHIM/07	6	D
Laboratorio di chimica e materiali da costruzioni	CHIM/07	6	D
Analisi matematica 2	MAT/05	6	D
Gestione dell'innovazione	ING-IND/35	6	D
Business planning	ING-IND/35	6	D

CORSO DI LAUREA IN INGEGNERIA GESTIONALE
 UNIVERSITA' DEGLI STUDI DELLA REPUBBLICA DI SAN MARINO
 MANIFESTO DEGLI STUDI a.a. 2026/2027

1° anno		coorte 2026/27										codice Esse3 e flow IG06-25										UNIMORE										collaboratore alla didattica									
I semestre		SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	collaboratore docenti	COMPENSO COLL. DID.	II semestre										COMPENSO COLL. DID.																	
I semestre		SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.	SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.																
Fondamenti di Analisi di Matematica		MAT/05					12	96	€ -	- €			€ 2.800,00	Matematica Applicata	MAT/07					9	72	€ 22,50	1.620,00 €																		
Fisica Generale 1		FIS/D1					6	48	€ 150,00	7.200,00 €			€ 2.800,00	Geometria e Algebra Lineare	MAT/03					9	72	€ 150,00	10.800,00 €																		
Fondamenti di Programmazione		ING-INF/05					6	48	€ -	- €				Inglese	/					3	24	€ 150,00	3.600,00 €																		
														Chimica	CHIM/07					6	48	€ 150,00	7.200,00 €		€ 420,00																
TOTALE CREDITI							24			7.200,00 €			5.600,00 €							27			23.220,00 €		420,00 €																
2° anno		coorte 2025/26										codice Esse3 e flow IG05-23										UNIPR																			
I semestre		SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.	II semestre										COMPENSO COLL. DID.																	
I semestre		SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.	SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.																
Statistica		SECS-S/03					6	48	€ 150,00	7.200,00 €				Metodi e modelli per la gestione	MAT/03	MATH-02/B	A			9	72	€ 150,00	10.800,00 €																		
Elementi di fisica tecnica - Modulo 1		ING-IND/10					3	24	€ 150,00	3.600,00 €				Disegno e Tecnologie di Produzione - modulo 1	ING-IND/16	IND-04/A	B			6	48	€ 150,00	7.200,00 €																		
Elementi di fisica tecnica - Modulo 2		ING-IND/11					3	24	€ 16,88	405,12 €				Disegno e Tecnologie di Produzione - modulo 2	ING-IND/15	IND-03/B	B			6	48	€ 150,00	7.200,00 €																		
Sistemi informativi		ING-INF/05					6	48	€ 150,00	7.200,00 €																															
Esercizio interno/esterno					F		6	48																																	
SCELTA -							6	48	€ 150,00	7.200,00 €				SCELTA						6	48	€ 150,00	7.200,00 €																		
SCELTA - Business planning		ING-IND/35	IEGE-01/A	D	???	Tagliente Leonardo	6	48	€ 150,00	7.200,00 €				SCELTA - Gestione dell'innovazione	ING-IND/35	IEGE-01/A	D	/	Venturini Karen	6	48	€ -	- €																		
TOTALE CREDITI							30			25.605,12 €			- €							27			32.400,00 €		- €																
3° anno		coorte 2024/25										codice Esse3 e flow IG05-23										UNIPR																			
I semestre		SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.	II semestre										COMPENSO COLL. DID.																	
I semestre		SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.	SSD	nuovo SSD	TAF	flow	DOCENTE	CFU	n. ore	compenso orario	COMPENSO DOCENTE	flow	Collaboratore didattica	COMPENSO COLL. DID.																
Gestione e organizzazione aziendale		ING-IND/35	IEGE-01/A	B			9	72	€ 150,00	10.800,00 €			€ 2.800,00	Prova Finale						3																					
Impianti industriali		ING-IND/17	IND-05/A	B			12	96	€ 150,00	14.400,00 €																															
Controllo di gestione		ING-IND/35	IEGE-01/A	B			9	72	€ 150,00	10.800,00 €																															
I semestre eventuali studenti da UNIPR c/o UNIRSM														II semestre (SOLO per studenti unism c/o unipr)																											
														Gestione della produzione	ING-IND/17	IND-05/A	B	/		9	72	€ -	- €																		
														Logistica industriale	ING-IND/17	IND-05/A	B	/		12	96	€ -	- €																		
														Diritto comunitario dei trasporti	IUS/D6	?	C	/		6	48	€ -	- €																		
														Idoneità di Ateneo di lingua inglese - livello B1	/	/	E	/		3	24																				
TOTALE CREDITI							30			36.000,00 €			2.800,00 €							33			€ -		- €																
												€ 124.425,12 totale LT docenti																													
												€ 8.400,00 totale LT collaboratori 1° sem.																													
												€ 420,00 totale LT collaboratori 2° sem.																													
												€ 81.000,00 totale LM docenti																													
												- € totale LM collaboratori 1° sem.																													
												- € totale LM collaboratori 2° sem.																													
												----- € 214.245,12 € TOTALE DOC. + COLL.																													

OFFERTA FORMATIVA EROGATA AA2026/2027

CORSO DI LAUREA MAGISTRALE IN INGEGNERIA GESTIONALE

1° ANNO (coorte 2026/2027 PERCORSO UNIRSM-UNIMORE)									
<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>
Sistemi manageriali per la performance	ING-IND/35	6	B	<i>ingegneria gestionale</i>	Sistemi Logistici Integrati	ING-IND/17	9	B	<i>ingegneria gestionale</i>
Modelli per l'Ottimizzazione della Logistica e della Produzione	MAT/09	12	C	-	Software Engineering	ING-INF/05	9	C	-
Tecnologia dei materiali e dei processi produttivi	ING-IND/22	9	C	-	Gestione dei processi organizzativi e del cambiamento	ING-IND/35	9	B	<i>ingegneria gestionale</i>
		27					27		
2° ANNO (coorte 2025/2026 PERCORSO UNIRSM-UNIPR- II PERIODO PRESSO UNIPR - PROVA FINALE PRESSO UNIRSM)									
<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>	<i>insegnamento</i>	<i>SSD</i>	<i>CFU</i>	<i>TAF</i>	<i>AMBITO</i>
Qualità e lean management	ING-IND/17	9	B	<i>ingegneria gestionale</i>	Supply chain management	ING-IND/17	9	B	<i>ingegneria gestionale</i>
Marketing management - Modulo 1	ING-IND/35	6	B	<i>ingegneria gestionale</i>	Laboratorio di sistemi informativi aziendali	-	6	F	<i>abilità informatiche e telematiche</i>
Marketing management - Modulo 2	SECS-S/03	3	C	<i>affine</i>	Attività a scelta	-	6	D	<i>a scelta</i>
Tirocinio interno/esterno	-	6	F	<i>tirocinio</i>	Attività a scelta	-	6	D	<i>a scelta</i>
					English for Engineering and Architecture (B2)	-	3	E	<i>lingua straniera</i>
					Prova finale	-	12		<i>prova finale</i>
		24					42		

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**CORSO DI LAUREA MAGISTRALE IN INGEGNERIA GESTIONALE
UNIVERSITA' DEGLI STUDI DELLA REPUBBLICA DI SAN MARINO
MANIFESTO DEGLI STUDI a.a. 2026/2027**

1° anno													2° anno														
coorte 2026/27													coorte 2025/26														
codice Esse3 e flow IGLM-23 UNIMORE													codice Esse3 e flow IGLM-23 UNIPR														
I semestre													II semestre														
SSD	nuovo SSD	TAF	FLOW	DOCENTE		CFU	n. ore	compenso orario	COMPENSO TOTALE	FL	coll. Didatt. coll. docenti	COMP.	SSD	nuovo SSD	TAF	FLOW	DOCENTE		CFU	n. ore	compenso orario	COMPENSO TOTALE	FL	Collab. Didatt.	COMPENSO	COMP.	
Sistemi manageriali per la performance	ING-IND/35					6	48	€ 150,00	7.200,00 €				Sistemi Logistici Integrati	ING-IND/17						9	72	€ 150,00	10.800,00 €				
Modelli per l'Ottimizzazione della Logistica e d	MAT/09					12	96	€ 150,00	14.400,00 €				Software Engineering	ING-INF/05						9	72	€ 150,00	10.800,00 €				
Tecnologia dei materiali e dei processi produt	ING-IND/22					9	72	€ 150,00	10.800,00 €				Gestione dei processi organizzativi e del cambiamento	ING-INF/35						9	72	€ 150,00	10.800,00 €				
TOTALE CREDITI						27			32.400,00 €										27			32.400,00 €				- €	
I semestre (SOLO per eventuali studenti di Parma c/o unirms)													II semestre (SOLO per studenti di unirms c/o uniParma)														
													Supply Chain Management	ING-IND/17	IIND-05/A	B	/			9	72	€ -	- €				
													Laboratorio di sistemi inforamtivi aziendali	?	?	F	/			6	48	€ -	- €				
													English for engineering and architecture	?	?	E	/			3	24	€ -	- €				
													Insegnamento a scelta	/	/	D	/			6	48	€ -	- €				
													Insegnamento a scelta	/	/	D	/			6	48	€ -	- €				
TOTALE CREDITI						0			16.200,00 €			€ -							42			- €			- €	- €	

Totale compensi	81.000,00 €
Totale collaborazioni	- €
TOTALE LM	81.000,00 €

A.A. 2026/2027
 CORSO DI LAUREA IN INGEGNERIA GESTIONALE DM 270/04
Interclasse: L8 Ingegneria dell'Informazione e L9 Ingegneria Industriale
 Ordinamento 2025 - Coorte 2026

Anno	Corso	SSD	Attività formativa	Ambito Disciplinare	CFU	E/P	Semestre	
1	Fondamenti di Analisi Matematica	MAT/05	Base	Matematica, Informatica e Statistica	12	E 2026	1	
1	Matematica Applicata	MAT/07	Base	Matematica, Informatica e Statistica	9	E 2026	2	
1	Chimica	CHIM/07	Base	Fisica e Chimica	6	E 2026	2	
1	Fisica Generale I	FIS/01	Base	Fisica e Chimica	6	E 2026	1	
1	Fondamenti di Programmazione	ING-INF/05	Base	Matematica, Informatica e Statistica	6	E 2026	1	
1	Geometria e Algebra Lineare	MAT/03	Base	Matematica, Informatica e Statistica	9	E 2026	2	
1	Inglese	-	Altre attività		3	E 2026	2	
2	Fisica II	FIS/03	Base	Fisica e Chimica	6	P 2027	1	
2	Controlli Automatici	ING-INF/04	Caratterizzante	Ingegneria Informatica Ingegneria Gestionale	6	P 2027	2	
2	Fondamenti di Economia Aziendale	ING-IND/35	Caratterizzante	Ingegneria Gestionale	9	P 2027	1	
2	Principi e Applicazioni dell'Energia Elettrica	ING-IND/31	Caratterizzante	Ing. Sicurezza e Protezione dell'Informazione Ingegneria della Sicurezza e della Protezione Industriale	6	P 2027	2	
2	Fondamenti di Ricerca Operativa	MAT/09	Base	Matematica, Informatica e Statistica	6	P 2027	1	
2	Sistemi e Comportamento Organizzativi	ING-IND/35	Caratterizzante	Ingegneria Gestionale	9	P 2027	2	
2	Tecnologie e Impianti Industriali	ING-IND/16 ING-IND/17	Caratterizzante	Ingegneria Gestionale Ingegneria Gestionale	6 6	12	P 2027	2
2	Sistemi Informativi	ING-INF/05	Affine	/	12	P 2027	1	
3	Gestione Aziendale	ING-IND/35	Caratterizzante	Ingegneria Gestionale	6	P 2028	1	
3	Logistica e Gestione della Produzione	ING-IND/17	Caratterizzante	Ingegneria Gestionale	9	P 2028	1	
3	Meccanica delle Macchine e delle Strutture	ICAR/08 ING-IND/14 ING-IND/13	Affine	- - -	3 3 3	9	P 2028	1
3	Progetto, Prototipazione e Sviluppo di Prodotti Industriali	ING-IND/14	Affine	-	9	P 2028	2	
3	Processi e Metodi di Fabbricazione per lo Sviluppo del Prodotto	ING-IND/16	Caratterizzante	Ingegneria Gestionale	6	P 2028	1	
	Corsi a scelta	-	Altre attività		12			
	Tirocinio	-	Altre attività		9			
	Prova finale	-	Altre attività		3			
	TOTALE				180			

A.A. 2026/27
CORSO DI LAUREA MAGISTRALE IN INGEGNERIA GESTIONALE DM 270/04
Classe delle Lauree Magistrali LM-31 in Ingegneria Gestionale
Ordinamento 2025 - Coorte 2026

Anno	Corso	SSD	Tipologia Attività Formativa	Ambito Disciplinare	CFU	E/P	Semestre
1	Sistemi manageriali per la performance	ING-IND/35	Caratterizzante	Ingegneria Gestionale	6	E 2026	1
1	Modelli per l'Ottimizzazione della Logistica e della Produzione	MAT/09	Affine	-	12	E 2026	1
1	Tecnologia dei materiali e dei processi produttivi	ING-IND/22	Affine	-	9	E 2026	1
1	Sistemi Logistici Integrati	ING-IND/17	Caratterizzante	Ingegneria Gestionale	9	E 2026	2
1	Software Engineering	ING-INF/05	Affine	-	9	E 2026	2
1	Gestione dei processi organizzativi e del cambiamento	ING-IND/35	Caratterizzante	Ingegneria Gestionale	9	E 2026	2
2	Progettazione e Gestione Avanzata di Sistemi di Produzione	ING-IND/17	Caratterizzante	Ingegneria Gestionale	9	P 2027	2
2	Gestione dei Progetti e dell'Innovazione	ING-IND/35	Caratterizzante	Ingegneria Gestionale	9	P 2027	1
2	Gestione della qualità e della sicurezza degli impianti industriali	ING-IND/17	Caratterizzante	Ingegneria Gestionale	9	P 2027	1
2	Sistemi integrati di lavorazione	ING-IND/16	Caratterizzante	Ingegneria Gestionale	6	P 2027	1
2	Sostenibilità dei prodotti e dei processi	CHIM/07	Affine	-	6	P 2027	2
	Corsi a scelta	Altre attività	D	A scelta dello studente	9		
	Prova finale	Altre attività	PROFIN_S		15		
	Tirocinio	Altre attività	NN		3		
	TOTALE				120		



UNIVERSITÀ
DEGLI STUDI
DELLA REPUBBLICA
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DESID
DIPARTIMENTO DI
ECONOMIA, SCIENZE
INGEGNERIA E DESIGN

Data 16 gennaio 2026
Riferimento Delibera n.2 verbale 1/2026 DESID

Delibera del Consiglio di Dipartimento
Dipartimento di Economia, Scienze, Ingegneria e Design

OF International Courses AA 2026/2027

Il programma internazionale per l'AA 2026/2027 (All. 3) prevede lo svolgimento di alcuni corsi già presenti nell'offerta formativa del prossimo anno accademico, in un ambiente plurilingue. Inoltre, alcuni corsi opzionali, erogati interamente in lingua inglese, potranno essere attivati in base alle necessità e al numero effettivi di iscritti.

Il Consiglio di Dipartimento approva all'unanimità.

Direttore del Dipartimento

Prof.ssa Anna Corradi



Verbalizzante

Dott.ssa Paula M. Cenci

Estratto ad uso: Rettorato, Senato Accademico, Direttore Generale, Segreteria Studenti, Ufficio Internazionalizzazione.

International Courses DESID - AA 2026/2027

Civil Engineering – Territorial Design and Management Area

Course	SSD	ISCED Code	CFU
Computational Structural Mechanics	CEAR-06/A	0732 – Building and Civil Engineering	9
Composite Materials	CHEM-06/A	0712 – Environmental Protection Technology	6
Bridges	CEAR-07/A	0732 – Building and Civil Engineering	6
Life Cycle Assessment and Environmental Sustainability	CHEM-06/A	0712 – Environmental Protection Technology	6

Management Engineering Area

Course	SSD	ISCED Code	CFU
Innovation Management	ING-IND/35	0413 – Management and Administration	6

Design / Interaction & Experience Design Area

Course	SSD	ISCED Code	CFU
Design Drawing Lab	CEAR-08/D	0212 – Fashion Interior and Industrial Design	8
Product Design Lab 2	CEAR-08/D	0212 – Fashion Interior and Industrial Design	8
Product Design Lab 3	CEAR-08/D	0212 – Fashion Interior and Industrial Design	8
Critica del Contemporaneo	CEAR-08/D	0220 – Humanities	6
Materials Technology for Design	IMAT-01/A	0715 – Mechanics and Metal Trades	6
Product Design Lab 1	CEAR-08/D	0212 – Fashion Interior and Industrial Design	8
Product Design Lab 4	CEAR-08/D	0212 – Fashion Interior and Industrial Design	8
Economies of Projects and Products	IEGE-01/A	0410 – Business and Administration	6

Design Workshop Spring semester	Extra credits		2
Design Workshop Fall semester	Extra credits		2
Communication Design Lab 2	CEAR-08/A		8
Design management e Business Communication	SECS-P/08		6
English B1	L-LIN/12		4
Interaction Design	CEAR-08/D	0212 – Fashion Interior and Industrial Design	6
Teorie e Tecniche dell'Interazione	CEAR-08/D	0212 – Fashion Interior and Industrial Design	3
Human Factors - Modulo di Fondamenti	PSIC-01/A	0313 – Psychology	3
Human Factors - Modulo Applicativo	PSIC-01/A	0313 – Psychology	3
Workshop Experience Design	CEAR-08/D	0212 – Fashion Interior and Industrial Design	2
Workshop Design and Strategies for Territorial Development	CEAR-08/D	0413 – Management and Administration	2
Workshop Service Design	CEAR-08/D	0212 – Fashion Interior and Industrial Design	2
Modulo - Exhibit Design	CEAR-08/D	0212 – Graphic and Audio-visual Arts	6
Modulo - Experience Design	CEAR-08/D	0212 – Graphic and Audio-visual Arts	6
Modulo - Digital Experience	CEAR-10/A	0212 – Graphic and Audio-visual Arts	6
Modulo - UX/UI	CEAR-10/A	0212 – Graphic and Audio-visual Arts	2

Computational Structural Mechanics

SSD: ICAR/08

9 CFU

(Master)

Introduction to computational mechanics (Variational approaches; Strong and weak form of the fundamental equations; Numerical analysis).

Finite Element Method 1D (Weak form of one-dimensional differential problems; Galerkin method; Interpolation of the primary variables; Assembly; Boundary conditions).

Axially loaded beams (Stiffness matrix; Weak form; Numerical integration; Stiffness matrix of trusses: analytical and numerical procedures).

Euler-Bernoulli beam (Stiffness matrix; Weak form; Hermite interpolation functions).

Timoshenko beam (Stiffness matrix; Weak form; Shear locking).

Numerical analysis in dynamics (Natural frequency analysis; Linear dynamic analysis; Newmark methods).

Numerical analysis of frames (Euler-Bernoulli and Timoshenko models).

Finite Element Method 2D (Weak form of two-dimensional differential problems; Interpolation of the primary variables; Triangular and quadrilateral elements; Mapping and numerical integration; Higher-order finite elements).

Plane stress and plane strain problems (Weak form of the governing elasticity equations).

Plates in bending (Weak form of the governing equations: Reissner-Mindlin and Kirchhoff-Love models; Conforming and nonconforming finite elements).

The course aims to provide an adequate introduction to the computational techniques used for getting the numerical solution of some structural mechanics problems. Differential problems are discretized and the corresponding discrete models are presented. The Finite Element Method is finally developed for each structural model.

Composite Materials

CHIM-07

6 CFU

(Master)

This course aims to provide the basic knowledge and understanding of the characteristics and design methodologies of composite materials.

A composite is a material that combines two or more constituent phases featuring

different physical and chemical properties. The appropriate selection of the ingredient materials, their relative volume fractions, and their spatial distribution leads to a new material with unique mechanical and physicochemical properties.

Owing to their outstanding mechanical performance, design flexibility, and lightweight nature, composites are essential in a broad range of high-value industries with applications, for example, in construction, aerospace, automotive, medical and energy technologies.

Design Drawing Lab

ICAR/13

8 CFU

(Bachelor)

Recognising the cognitive value of drawing as a tool for observation, the course will encourage the student to begin and maintain a regular and independent practice of freehand drawing, by keeping a sketchbook as the foundation for building

a visual memory. The student will discover and draw spaces and objects, annotating their qualities and characteristics and experiment with various sketching techniques and tools. Theoretical lectures will be followed by practical exercises to explore the elements of drawing, the processes of visual perception and the themes involving the interaction between man, objects and space. A special focus will be dedicated to the theory of colour.

Systems of representation: reading and constructing drawings.

Historical notions on the evolution of representation systems and techniques.

Introduction to technical drawing: tools, precision drawing.

Basic notions of scale, line, dimensioning, graphic standards (UNI).

Introduction to measuring techniques and tools.

Basic notions and practice of projective and descriptive geometry:

- Parallel projection: orthogonal and axonometric projections
- Central projection: perspective.

Themes for the analysis of objects – human-centred design.

Notions of methodology, based on the reading of "Da cosa nasce cosa" by Bruno Munari. Anthropometrics and ergonomic; cognitive ergonomics and the "Norman doors".

Analysis of an object: the final project for the course will consist in measuring, documenting in technical drawings and analysing the typology, function and form of an object, in a project to be drafted entirely by hand.

During the course, a workshop to be held by a visiting professor will introduce rendering techniques by hand with markers, coloured pencils and other materials

Product Design Lab 2

ICAR/13

8 CFU

(Bachelor)

The Laboratory is moving to rethinking the relationships between individuals and communities and between man and nature. The comparison with environmental, spatial and social issues requires the designer to also think about his own role and responsibility in choices and commitment and therefore in environmental and civic awareness. It is considered useful to activate the planning and strategic process starting from the chestnut, essence, material and typical local food, present in abundance in the internal hilly areas of Emilia Romagna, Tuscany and the Marche, proposing it as a social material. The objective is to create chestnut products with which to activate new relationships also through playful and recreational activities, board games, outdoors, between generations. The designed products can activate new relationship dynamics between the inhabitants of the places (resident community, visiting community), the places (natural and anthropic environment) and the ecosystem (flora, fauna, earth, man) in a concept of interdisciplinary inter-species project. The products are developed by applying a methodology that delves into the study of the entire production chain, from the nature of the material to its transformation, to transport, sale and use of the product itself. Depending on the needs, the main material is accompanied by metal joint knots, local fabrics, for example in hemp or wool (and its derivatives) and other complementary materials. The product lines will be able to highlight the material and immaterial values of the places,

reworking traditional production techniques and hybridizing them with contemporary techniques. The products will have the aim of enabling better relationships between people and the environment and increasing civic awareness towards others.

The objective of the laboratory is to deepen methodological, planning, technical and humanistic training compared to what was acquired in the first year. It is expected to develop all phases of the design process from the analysis of needs to the market analysis, to the development of the concept, the definitive and the executive with the creation of models and prototypes.

Design and Communication Management

SECS-P/08

6 CFU

(Bachelor)

The course is structured into two distinct theoretical modules but also integrated with a part of practical exercise/workshop. In the first Design Management module we start from the analysis of the scenario and the context to understand what the role of Design can and must be as a driver of innovation, though not only a clear organization of the processes, but also and above all with the affirmation of a shared culture. We touch on the themes of corporate organisation, the scenario, the mission, the resulting strategy, marketing, its levers, and particularly the concept of positioning, also with historical notes and practical examples. Finally, we go deeper to see how design can be integrated with other functions up to the modern definition of design management. In the second part, the main aspects of Corporate Communication are examined, starting from the concept of corporate culture and above all the value of the Brand (Brand Equity). A clear analysis is made of the communication process and its purposes, after which the different techniques and tools of integrated communication are addressed: brand, corporate and visual identity, advertising, public relations, sponsorships, promotions up to the most modern ones such as web communication, social media and guerrilla marketing tools. All supported by historical notes and concrete cases. The course intends to analyse the aspects that are upstream, downstream and behind the pure creative act, proposing an integrative logic that overcomes the traditional divisions between business and culture, marketing and design, product and communication. The goal is to merge them in an interdisciplinary vision that must guide the entire process, from preliminary research and analysis of the idea to its implementation, introduction into the market and communication. The goal is to raise a new breed of hybrid designers, who will be able to deeply understand their role within a company and society.

Product Design Lab 3

ICAR/13

8 CFU

(Bachelor)

The first part of the Laboratory will be dedicated, through frontal lessons, to transmitting to students the tools and theoretical foundations to direct the skills acquired in previous years towards a spatial contextualization of their project. Topics concerning the construction and perception of internal space and the implications of the relationship between internal environments and objects and their interaction with man will be introduced. A part of the initial lessons will also be dedicated to environmental, technological and material issues from which interior design cannot ignore in terms of ideation and

construction. The theme of the workshop will focus on the design of a minimal living space in which the transformative characteristics over time are mainly delegated to the display component of complex and multifunctional objects.

The course aims to deepen and experiment with design tools to tackle a discipline such as that of product design located in space with the necessary awareness and responsibility. The artifact does not exist in abstract isolation, but is placed in a context, promoting interactions between man and the artificial or natural environment. It can and must act as central in relation to cultural, economic, social and ecological scenarios in continuous and profound transformation.

Critica del contemporaneo

ICAR/13

6 CFU

(Master)

Interaction Design

ICAR/13

6 CFU

(Master)

Teaching is organized in lectures and classroom exercises. It provides for the creation of a final project, a synthesis of all the technical, theoretical and practical skills learned that will be materialized into a prototype. The development of the final project lays the foundation on the one hand on bibliographic sources, on the other hand on field research methodologies such as UX research, design thinking, lateral thinking, and co-design approaches, in a constant confrontation with the areas of interface design, user experience, information architecture, visual design and product interaction design.

The student acquires basic notions for the design of two- and three-dimensional interactive artifacts, delving into the relationship between humans and the technological object from both a theoretical and application perspective. Through lectures and practical exercises, the student will be able to learn the main mechanics of interaction, the related technologies, the UX research methods and the design of behaviors by experimenting contextually on interfaces, objects and spaces.

Theories of Interaction Design Studies

ICAR/13

3 CFU

(Master)

Designing interfaces for mobile devices and their specificities related to information design, supporting behavioral change, will be the focus of the course's design exercise.

The course delves into theoretical and practical aspects of interaction design, starting from the design of two-dimensional interfaces to the development of systems enabling interaction between humans and urban spaces.

The design of interfaces for mobile devices in relation to the environment and built structures, along with the ability to use one's personal data and that shared by other users, constitute a new resource for designing services that emerge from user needs.

Human factors - Fundamentals of Human Factors

M-PSI/01

3 CFU

(Master)

Human Factors definition

History of the discipline and application area

Elements of cognitive psychology: perception, memory, attention, decision making

Implication for design and guidelines

Task analysis

Usability analysis

Human Factors fundamentals

Key concepts of cognitive psychology: perception, memory, attention, decision making.

Human Factors methods and techniques for the design of products and services.

Human factors - Modulo applicativo

M-PSI/01

3 CFU

(Master)

From automation factors to human factors: knowing machines to understand the peculiarities of the person;

- Applications and case studies related to automation in daily life;

- Interaction design in the automation of services and systems;

- Design research laboratory.

- Know the Human Factors research methodology for designing interactive products and services;

- Ability to apply Human Factors research methodology for designing interactive products and services;

- Ability to formulate the research plan with objectives, hypotheses, research activities, data analysis and theory formulation;

- Ability to transform the results of the research activity into knowledge for designing interactive products and services.

Workshop Experience Design

ICAR/13

2 CFU

(Master)

Workshop Business & Entrepreneurship

ICAR/13

2 CFU

(Master)

Workshop Service Design

ICAR/13

2 CFU

(Master9)

Bridges

6 CFU

SSD: ICAR/09

(Master)

The aim of the course is to provide the basic knowledge of construction techniques applied to bridges, using the national and European technical standards, necessary for the drafting of the project of a single span simply supported bridge. It also deals with applicable solutions for reducing seismic risk in the context of bridge structures. The transversal load distribution is addressed by applying literature methods, comparing them with the results of a FEM approach.

Life Cycle Assessment and Environmental Sustainability

SSD: CHIM/07

6 CFU

The course "Life Cycle Assessment and Environmental Sustainability" provides advanced knowledge on Life Cycle Assessment (LCA).

LCA is recognized as the prominent scientific and standardized methodology to objectively quantify environmental sustainability of any product, process, service or system in a holistic manner, thus considering all the life cycle stages and

all the scientifically recognized environmental issues. The course comprises theoretical lessons as well as laboratory activities where the students will learn the use and interpretation of the main LCA softwares and database.

Innovation management

ING-IND/35

6 CFU

(Bachelor)

Brief history of technology

Sources, forms and models of innovation

Technological, social, green, and design-driven innovation

Entry times and innovation protection mechanisms (open and closed innovation)

The organization and management of innovation projects

Techniques for developing corporate creativity and new product development teams

The financing of innovation projects and strategies for innovative start-ups

Critical analysis of the relationship between economy and society

Understanding of innovative processes and techniques to stimulate creativity

Development and management of innovative projects as a lever for business competitiveness

Conception, development and presentation of a project work for an innovative startup.

Management of a working group and presentation of the results of one's work.

Materials Technology for Design

ING-IND/22

6 CFU

(Bachelor)

This course is structured with theoretical lessons and practical exercises to immediately apply what is learned in class.

The theoretical part consists of thematic meetings organized as follows:

- Historical introduction to technological innovations.
- Plastics: origin, types, and transformation processes with case studies.
- Metals: origin, types, and transformation processes with case studies.
- Composites: origin, types, and transformation processes with case studies.

- Wood: origin, types, and transformation processes with case studies.
- Ceramics and Glass: origin, types, and transformation processes with case studies.
- Auxetic Structures: what they are, where to find them, and how they are employed through new production technologies.
- Biomimicry and future materials: nature as a source of inspiration for design.

The practical part, alongside the theoretical, involves students in choosing an object. Subsequently, students will proceed with the disassembly phase to explore what is hidden inside. This includes elements that we cannot normally see or know, enriching our ability to observe and understand. The students will acquire theoretical fundamentals about the main transformational technology widely used to produce the final product and half-processed products.

Product Design Lab 1

ICAR/13

8 CFU

(Bachelor)

The students will engage in an initial approach to the design process, which will entail an analysis of the generation of forms and the design and planning of individual products and product systems. This will be achieved through the completion of exercises and projects of low complexity. A multi-modal approach will be employed whereby the designer is required to break down, analyse, gain familiarity with and work with a single material. This process will commence with an investigation of the material's origins and the system of actors that could potentially influence it. It will then proceed to an exploration of the potential new morphological, functional, expressive and environmental characteristics and qualities that could be incorporated into the material.

The objective of the workshop is to equip students with the fundamental theoretical, methodological and operational tools pertinent to the field of design utilising a specific material. The development of the design process and its representation will be addressed, from the initial conceptualisation of the artefact, through to its technical representation, and finally, the realisation of study models and prototypes.

Product Design Lab 2

ICAR/13

8 CFU

(Bachelor)

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The comparison with environmental, spatial and social issues requires the designer to also think about his own role and responsibility in choices and commitment and therefore in environmental and civic awareness.

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Economies of projects and products

ING-IND/35

6 CFU

(Bachelor)

The course is divided into two parts. The first aims to outline the functioning of the economic system in which we live by highlighting its advantages but also its criticalities and comparing it with alternative economies (circular economy, degrowth theory, gift economy). The massive growth of the world's population, high levels of environmental degradation and limited available resources require new values than those generated by consumerist culture and substitute economic systems. The second part of the course is devoted to learning about the business reality and developing the ability to observe its operation, convey the basic concepts and language of innovation management, and present some methodological tools for developing an innovation project. Finally, train basic skills in the field of economic evaluation with reference to cost accounting, including cost of disposal and reuse of the object, price formation in a competitive environment, calculation of economic results. Learning to construct a business plan that meets the demands and needs of the target company or institution but carries a new vision in defense of the environment, social rights and human relations is an important skill for young designers.

The ability to read economic reality, knowledge of how businesses and professional firms operate, and strategies for how to survive in a highly competitive market are useful notions for students who intend to work in design, graphic design, or who dream of opening their own business. The course economies of projects and products outlines what systems, methods, and strategies to approach the future profession.

Modulo - Exhibit design

ICAR/13 6

6 CFU

(Master)

Today it is not possible to think of the museum as a single building, a closed space disconnected from its historical geographic and social context. Rather, it is necessary to think about design on a local and global scale. The museum is an environment linked to the territory in which it is located and simultaneously to the network of the world. The museum creates opportunities for encounters, opportunities for learning, and cultural experiences. The museum is dynamic and multipurpose space, a place of community and interaction among the people who frequent it. Technological environment, capable of enhancing heritages and at the same time offering services and spaces. The museum produces, creates.

The student obtains design skills to manage information content in an exhibition space. Specific consideration of the use of digital technologies in contemporary exhibit spaces is required in the lab.

Modulo - Experience design

ICAR/13

6 CFU

(Master)

Modulo - Digital Experience

ICAR/17

6 CFU

(Master)

During the Lab, students engage with the ideation, development and storytelling of complex, open source projects. They acquire in the field a method for approaching generative design, creative coding and machine learning for design. They learn to create their own digital tools, conceiving, making and testing prototypes and finished artifacts for communication and product design. The Lab, which takes place through lectures, exercises and critical review of case studies, also using collaborative tools and platforms, starts from the brief on the invisible, and includes a final collaborative project, released under an open license.

The student acquires the ability to manage, design and narrate relational and interactive systems related to communication and product design, as well as the ability to manage simulative project environments. The study of open source prototyping, machine learning, and versioning languages and platforms, along with the proper approach to collaborative design of concepts and experiences are requirements for the student to acquire within the teaching.

Modulo - UX-UI

ICAR/17

2 CFU

(Master)

Introduction and Fundamentals: Presentation of key concepts in user-centered design, usability, and accessibility. Explanation of course objectives and the final lab theme.

Foundations of UX/UI: In-depth exploration of User, Use, and Usability concepts, and the importance of usability. Analysis of a real case study and concepts related to User Experience (UX) and User Interface (UI).

Design Process: Explanation of the design thinking process and the macrophases: Start, Understand, Explore, and Materialize. Detailed explanation of the Empathize phase and user analysis, including interviews, surveys, and data usage in design.

Definition and Design: In-depth study of the Define phase, including the creation of personas, experience maps, and empathy maps. Analysis of scenarios, UX benchmarking, heuristic evaluation, and information architecture.

Ideation and Prototyping: Exploration of the Ideate phase, including collaborative workshops, user stories, and Design Sprint. Use of tools such as How Might We, Affinity Mapping, Crazy 8's, and the creation of interactive prototypes.

Design System: Understanding the importance of design systems and how to create, manage, and implement them to ensure consistency in user interface design.

UI Implementation: Creating responsive UI design, including concepts such as the grid system and breakpoint system.

Usability Testing: Learning how to plan, conduct, and analyze usability tests using various techniques to evaluate the effectiveness of the user interface.

Digital Tools: Familiarity with digital tools such as Figma for design, prototyping, and design system man

Design Workshop Spring semester

Extra credits

2 CFU

Design Workshop Fall semester

Extra credits

2 CFU

Communication Design Lab 2

CEAR-08/A

8 CFU

Design management e Business Communication

SECS-P/08

6 CFU

English B1

L-LIN/12

4 CFU



Data 16 gennaio 2026
Riferimento Delibera n.3 verbale 1/2026 DESID

Delibera del Consiglio di Dipartimento
Dipartimento di Economia, Scienze, Ingegneria e Design

Nomina Rappresentanti Studenti biennio 2025/26 e 2026/27

Facendo seguito alle elezioni studentesche svoltesi nel mese di novembre 2025, gli studenti eletti come rappresentanti nei diversi Corsi di Studio afferenti al Dipartimento DESID vengono nominati tramite Atto del Direttore (All.4) come indicato di seguito:

- KEVIN SICURO - Rappresentante in Consiglio di Laurea, rappresentante in Consiglio di Dipartimento per il CdS in Design
- ANDREA SANTONI - Rappresentante in Consiglio di Laurea, rappresentante in Consiglio di Dipartimento per il CdS in Ingegneria Civile
- MATILDE NICOLINI - Rappresentante in Consiglio di Laurea, rappresentante in Consiglio di Dipartimento per il CdS in Ingegneria Gestionale.
- KEVIN SICURO – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Design
- LORENZO LODIGIANI – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Costruzione Gestione del Territorio
- ANDREA SANTONI – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Ingegneria Civile
- ILARIA RONCI – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Ingegneria Gestionale

Il Consiglio di Dipartimento prende atto.

Direttore del Dipartimento

Prof.ssa Anna Corradi



Verbalizzante

Dott.ssa Paula M. Cenci

Estratto ad uso: Rettorato, Senato Accademico, Direttore Generale, Segreteria Studenti, PQA.



San Marino 10/12/2025

Atto n.28/2025

Il Direttore del Dipartimento – DESID –
dell'Università degli Studi della Repubblica di San Marino

- Ai sensi del Decreto Delegato n. 169 del 30 novembre 2023 “Assetto istituzionale e organizzativo dell'Università degli Studi della Repubblica di San Marino”;
- Visto l'art. 15, Allegato A, del Decreto Delegato n.169 del 30 novembre 2023;
- Visto l'art. 14 del Regolamento Elettorale del 06 marzo 2017;
- Visto il Decreto Rettorale n.52/2023 – Apertura seggi elettorali per nomina rappresentanti degli studenti negli Organi di Governo di Ateneo;
- Visto l'esito delle elezioni per la nomina dei Rappresentanti degli Studenti in Consiglio di Dipartimento DESID Biennio 2025/26, 2026/27;
- Visto il verbale del Consiglio di Dipartimento DESID del 16 ottobre 2025;

DECRETA

La NOMINA del Sig. **Kevin Sicuro** – Rappresentante in Consiglio di Corsi di Studio e in Consiglio di Dipartimento – Corsi di Studio in Design

La NOMINA del Sig. **Andrea Santoni** – Rappresentante in Consiglio di Corsi di Studio e in Consiglio di Dipartimento – Corsi di Studio in Ingegneria Civile

La NOMINA della Sig.ra **Matilde Nicolini** – Rappresentante in Consiglio di Corsi di Studio e in Consiglio di Dipartimento – Corsi di Studio in Ingegneria Gestionale

La NOMINA del Sig. **Kevin Sicuro** – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Design

La NOMINA del Sig. **Lorenzo Lodigiani** – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Costruzione Gestione del Territorio

La NOMINA del Sig. **Andrea Santoni** – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Ingegneria Civile

La NOMINA della Sig.ra **Ilaria Ronci** – Rappresentante nella Commissione Paritetica Docenti e Studenti di Dipartimento – Corsi di Studio in Ingegneria Gestionale

Il presente Atto verrà inviato al Senato Accademico per presa visione.

Direttore del Dipartimento
Prof.ssa Anna Corradi