

Progetto Master Universitario - Piano didattico "Allegato 1"

Articolazione delle attività formative / organization of training activities with CFU and SSD for each formative activity

Declinare i contenuti formativi per ciascuna area di risultati di apprendimento attesi Piano didattico (con relativa indicazione dei crediti e settore scientifico disciplinare per ogni singolo modulo).

NB la suddivisione in Moduli non è obbligatoria, così come un Modulo può essere composto da un numero potenzialmente illimitato di Insegnamenti.

NB le h di lezione devono essere quelle effettive di didattica agli studenti anche in presenza di docenza a distanza

Modulo	Insegnamento	SSD	CFU Desiderati	CFU Verifica	UNIGE h docenza			Esterni h docenza			h studio individuale	Tot h docenza e Studio indiv.	H verifica apprendimento Modulo	
					Frontale	Distanza*		Frontale	Distanza*				Doc. UniGE	Doc. Esterna
						Sincrone	Asincrone		Sincrone	Asincrone				
Totale	-	-	60	60,00	169	0	0	98	133	0	800	1500	21	13
Structural Strategies for Carbon Neutral in Green Buildings	a) Calderini (UniGE: 3 hs)	CEAR/07/A	0,50	0,50	3	0	0	0	0	0	6	9	1	0
	b) Caggiano (UniGE: 1 hs)	CEAR/07/A			1	0	0	0	0	0	2	3		
	-	-			-	-	-	-	0	0				
Energy Strategies for Carbon Neutral in Green Buildings	a) Umberto Berardi (PoliBA: 4 hs)	IIND-07/B	0,50	0,50	-	-	-	4	-	-	8	12	0	1
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Fundamentals of legislative and regulatory of structural requirements in EU and LATAM	a) Calderini (UniGE, 2 hs)	CEAR/07/A	1,00	1,00	2	0	0	0	0	0	4	6	1	0
	b) Caggiano (UniGE, 3 hs)	CEAR/07/A			3	0	0	0	0	0	6	9		
	c) Folino (UBA, 3 hs)	CEAR/07/A			0	0	0	0	3	0	6	9		
Fundamentals of legislative and regulatory of energy requirements in EU and LATAM	a) Umberto Berardi (PoliBA, 4 hs)	IIND-07/B	1,00	1,00	0	0	0	4	0	0	8	12		1
	b) Silvana Flores Larsen (UNSA, 4 hs)	IIND-07/B			0	0	0	0	4	0	8	12		
	-	-			-	-	-	-	0	0				
LCA / LCC	a) Gagliano Erica (UniGE , 8 hs)	CEAR-02/A	2,00	2,00	8	0	0	0	0	0	16	24	1	0
	b) Stefano Spotorno (UniGE, 8 hs)	CEAR-02/A			8	0	0	0	0	0	16	24		
	-	-			-	-	-	-	0	0				
Structural engineering in Carbon Neutral Green structures: modelling, analysis, diagnostics	a) Calderini (UniGE, 4 hs)	CEAR/07/A	1,00	1,00	4	0	0	0	0	0	8	12	1	0
	b) Caggiano (UniGE, 4 hs)	CEAR/07/A			4	0	0	0	0	0	8	12		
	-	-			-	-	-	-	0	0				
Earth-based constructions: materials, modelling and regularizations	a) Walter Bruno (UniGE, 8 hs)	CEAR-05/A	1,00	1,00	8	0	0	0	0	0	16	24	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Advanced in bio-based composites	a) Antonio Caggiano (UniGE, 2 hs)	CEAR/07/A	1,00	1,00	2	0	0	0	0	0	4	6	1	0
	b) Saulo Rocha (UniGE, 6 hs)	CEAR/07/A			6	0	0	0	0	0	12	18		
	-	-			-	-	-	-	0	0				
Porous Mortars for Carbon Neutral Strategies in Green Buildings	a) Alberto Lagazzo (UniGE, 8 hs)	IMAT-01/A	1,00	1,00	8	0	0	0	0	0	16	24	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Modelling Nature-based Solutions performance for CC	a) Katia Perini (UniGE, 2 hs)	CEAR-08/C	0,75	0,75	2	0	0	0	0	0	4	6	1	0
	b) Francesca Mosca (UniGE, 4 hs)	CEAR-08/C			4	0	0	0	0	0	8	12		

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adaptation	-	-			-	-	-	-	-	-	0	0		
Sustainable Techniques and Certification Protocols for Green Buildings	a) Clara Vite (UniGE, 6 hs)	CEAR-08/A	0,75	0,75	6	0	0	0	0	0	12	18	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Innovative Materials for Carbon-Neutral Building Techniques	a) Salvatore Polverino (UniGE, 4 hs)	CEAR-08/A	0,50	0,50	4	0	0	0	0	0	8	12	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Sustainable Planning and SMART CITIES	a) Ilaria del Ponte (UniGE, 8 hs)	CEAR-12/A	1,00	1,00	8	0	0	0	0	0	16	24	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Structural Pathology of Concrete Structures (Forensic Engineering)	a) Paula Folino (UBA, 9 hs)	CEAR/07/A	1,50	1,50	0	0	0	0	9	0	18	27	0	1
	b) Marianela Ripani (UBA, 3 hs)	CEAR/07/A			0	0	0	0	3	0	6	9		
	-	-			-	-	-	-	0	0				
Structural health monitoring (SHM) and Nondestructive testing (NDT)	a) Hernan Xargay (UBA, 12 hs)	CEAR/07/A	1,50	1,50	0	0	0	0	12	0	24	36	0	1
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Eco-Sustainable Concretes: Behavior and Structural Design (Structural Green Concretes)	a) Folino (UBA, 6 hs) - Ripani (UBA, 3 hs) - Xargay (UBA, 3 hs)	CEAR/07/A	2,00	2,00	0	0	0	0	12	0	24	36	0	1
	b) Caggiano (UniGE, 4 hs)	CEAR/07/A			4	0	0	0	0	0	8	12		
	-	-			-	-	-	-	0	0				
Structural Composition (Conceptual Structural Design)	a) Paula Folino (UBA, 4 hs)	CEAR/07/A	1,00	1,00	0	0	0	0	4	0	8	12	0	1
	b) Marianela Ripani (UBA, 4 hs)	CEAR/07/A			0	0	0	0	4	0	8	12		
	-	-			-	-	-	-	0	0				
Bioclimatic architectural design	a) Umberto Berardi (PoliBA, 18 hs)	IIND-07/B	4,50	4,50	0	0	0	18	0	0	36	54	0	1
	b) Silvana Flores Larsen (UNSA, 18 hs)	IIND-07/B			0	0	0	0	18	0	36	54		
	-	-			-	-	-	-	0	0				
Climate changes and building resilience	a) Davide Borelli (UniGE, 4 hs)	IIND-07/B	1,00	1,00	4	0	0	0	0	0	8	12	1	0
	b) Silvana Flores Larsen (UNSA, 4 hs)	IIND-07/B			0	0	0	0	4	0	8	12		
	-	-			-	-	-	-	0	0				
Innovative building technologies	a) Umberto Berardi (PoliBA, 4 hs)	IIND-07/B	1,00	1,00	0	0	0	4	0	0	8	12	0	1
	b) Davide Borelli (UniGE, 4 hs)	IIND-07/B			4	0	0	0	0	0	8	12		
	-	-			-	-	-	-	0	0				
Building energy and acoustic retrofits	a) Corrado Schenone (UniGE, 4 hs)	IIND-07/B	1,00	1,00	4	0	0	0	0	0	8	12	1	0
	b) Francesco Ruggiero (PoliBA, 4 hs)	IIND-07/B			0	0	0	4	0	0	8	12		
	-	-			-	-	-	-	0	0				
Covenant of Majors and Sustainable Energy Action Plan	a) Corrado Schenone (UniGE, 8 hs)	IIND-07/B	1,00	1,00	8	0	0	0	0	0	16	24	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Mechanical systems for building / building retrofits	a) Davide Borelli (UniGE, 4 hs)	IIND-07/B	1,00	1,00	4	0	0	0	0	0	8	12	1	0
	b) Francesco Ruggiero (PoliBA, 4 hs)	IIND-07/B			0	0	0	4	0	0	8	12		
	-	-			-	-	-	-	0	0				
Green and ecological transitions with innovative	a) Amin Jahanbin (PoliBA, 4 hs)	IIND-07/B	1,00	1,00	0	0	0	4	0	0	8	12	0	1
	b) Silvana Flores Larsen (UNSA, 4 hs)	IIND-07/B			0	0	0	0	4	0	8	12		

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systems	-	-			-	-	-	-	-	-	0	0		
Thermal simulation of buildings (EnergyPlus)	a) Silvana Flores Larsen (UNSA, 4hs)	IIND-07/B	1,00	1,00	0	0	0	0	4	0	8	12	0	1
	b) Roberto Stasi (PoliBA, 4 hs)	IIND-07/B			0	0	0	4	0	0	8	12		
	-	-			-	-	-	-	0	0				
Finite element simulation of thermal bridges according to ISO 10211:2017 standard	a) Davide Borelli (UniGE, 4 hs)	IIND-07/B	0,50	0,50	4	0	0	0	0	0	8	12	1	0
	-	-			-	-	-	-	0	0				
	-	-			-	-	-	-	0	0				
Energy retrofit of heritage buildings	a) Silvana Flores Larsen (UNSA, 4 hs)	IIND-07/B	1,00	1,00	0	0	0	0	4	0	8	12	1	0
	b) Davide Borelli (UniGE, 4 hs)	IIND-07/B			4	0	0	0	0	0	8	12		
	-	-			-	-	-	-	0	0				
WORKSHOP-Structural Intervantion and LCA: a case study of design	a) Caggiano (UniGE, 24 hs)	CEAR/07/A	6,00	6,00	24	0	0	0	0	0	48	72	2	0
	b) Folino (UBA, 24 hs)	CEAR/07/A			0	0	0	0	24	0	48	72		
	-	-			-	-	-	-	0	0				
WORKSHOP-Energy Intervantion and LCA: a case study of design	a) Berardi (PoliBA, 24 hs)	IIND-07/B	4,00	4,00	0	0	0	24	0	0	48	72	0	2
	b) Silvana (UNSA, 24 hs)	IIND-07/B			0	0	0	0	24	0	48	72		
	-	-			-	-	-	-	0	0				
WORKSHOP-Structural and Energy Intervantion: a case study of design	a) Caggiano (UniGE, 20 hs) - Schenone (UniGE, 4 hs) - Bocanegra Cifuentes (UniGE, 4 hs)	CEAR/07/A + IIND-07/B	6,00	6,00	28	0	0	0	0	0	56	84	2	0
	b) Berardi (PoliBA, 20 hs)	IIND-07/B			0	0	0	20	0	0	40	60		
	-	-			-	-	-	-	0	0				
SOFT SKILLS (FOR ENGINEERING)	a) IA for architecture - prof. Giuseppe Fallacara - 4 hs	CEAR-09/A	1,00	1,00	0	0	0	4	0	0	8	12	0	1
	b) *Databases and Dataset in Architecture - prof. Berardi - 4 hs	IIND-07/B			0	0	0	4	0	0	8	12		
	-	-			-	-	-	-	0	0				
Internship hours in companies*	-	-	8,00	8,00	-	-	-	-	-	-	-	200	-	-
Final thesis preparation	-	-	4,00	4,00	-	-	-	-	-	-	-	-	100	-
	-	-			-	-	-	-	-	-				
	-	-			-	-	-	-	-	-				