

Executive Master in Carbon Neutral and Resilient Cities

Provisional schedule 2022-2023

Date	Time	Classes	Location
Module 1 : Introduction to the concept of resilient cities			
13-09-22	16:00 - 19:00	Introduction to the Executive Master, general notions of urban resilience and current challenges of urban humanity	online
15-09-22	16:00 - 19:00	Sustainable Territorial Development and strategies	online
20-09-22	16:00 - 19:00	New technologies - Intelligent Cities and Artificial Intelligence - Power of Urban Innovation	online
22-09-22	16:00 - 19:00	City as a System: 360° City Scan methodology	online
Module 2 : Resources and energy dimensions in urban fabric			
27-09-22	16:00 - 19:00	Introduction of Energy markets	online
29-09-22	16:00 - 19:00	Intelligent Energy Blocks and networks Smart Grids	online
03-10 to 07-10-2022		ISOCARP World Congress Brussels - From Wealthy to Healthy.	online
04-10-22	16:00 - 19:00	Local Resources and biosourced materials - Energy efficiency approach - Positive Energy districts - Bold City Vision	online
Module 3 : Carbon-neutral approach			
11-10-22	16:00 - 19:00	Carbon performances - Carbon neutrality concept	online
18-10-22	16:00 - 19:00	Carbon-neutral urban fabric & Urban Climate	online
25-10-22	16:00 - 19:00	Low-carbon mobility - Concrete application of carbon balance calculation	online
Module 4 : Carbon-neutral methodologies and tools			
03-11-22	16:00 - 19:00	Masterplanning of Energy / Mobility / Built Environment - Urban Climate management	online
08-11-22	16:00 - 19:00	Carbon-neutral tools and strategies - Methodological management	online

Module 5 : Nature-based solutions and green infrastructure			
15-11-22	16:00 - 19:00	Vegetalisation systems - Carbon Capture systems	online
22-11-22	16:00 - 19:00	Environmental Management - Natural Resources Management	online
29-11-22	16:00 - 19:00	Green Infrastructure development and management - Advanced natural and environmental resource economics	online
Module 6 : Implementaiton and financing the carbon -neutral city			
06-12-22	16:00 - 19:00	Mutualisation techniques - Governance and stakeholders identification and management	online
13-12-22	16:00 - 19:00	Financial management of carbon-neutral city - Scientific evaluation - Carbon calculation	online
20-12-22	16:00 - 19:00	Financial management of carbon-neutral city - PPPs and other financial forms	online
Module 7 : Integrative Seminar - Concrete Case Study			
		Participative seminar + project	
15-01 to 19-01-2023		Integrative Seminar with stakeholder interaction	
Module 8: Master Thesis			
January 2023		60 pages work	

This schedule is subject to change.