

48-795 A4 LEED, Green Infrastructure & Community Rating in Global Context



QUALITY OF LIFE



LEADERSHIP



RESOURCE ALLOCATION



NATURAL WORLD



CLIMATE AND RISK

LEED v4 for Neighborhood Development Plan Project Checklist				Project Name: _____ Date: _____			
Yes	?	No		Yes	?	No	
0 0 0 Smart Location & Linkage 28				0 0 0 Green Infrastructure & Buildings			
Y			Prereq: Smart Location Required	Y			Prereq: Certified Green Building Required
Y			Prereq: Imperiled Species and Ecological Communities Required	Y			Prereq: Minimum Building Energy Performance Required
Y			Prereq: Wetland and Water Body Conservation Required	Y			Prereq: Indoor Water Use Reduction Required
Y			Prereq: Agricultural Land Conservation Required	Y			Prereq: Construction Activity Pollution Prevention Required
Y			Prereq: Floodplain Avoidance Required				Credit: Certified Green Buildings
			Cred1: Preferred Locations 10				Cred1: Optimize Building Energy Performance
			Cred1: Brownfield Remediation 2				Cred1: Indoor Water Use Reduction
			Cred1: Access to Quality Transit 7				Cred1: Outdoor Water Use Reduction
			Cred1: Bicycle Facilities 2				Cred1: Building Reuse
			Cred1: Housing and Jobs Proximity 3				Cred1: Historic Resource Preservation and Adaptive Reuse
			Cred1: Steep Slope Protection 1				Cred1: Minimized Site Disturbance
			Cred1: Site Design for Habitat or Wetland and Water Body Conservation 1				Cred1: Rainwater Management
			Cred1: Restoration of Habitat or Wetlands and Water Bodies 1				Cred1: Heat Island Reduction
			Cred1: Long-Term Conservation Management of Habitat or Wetlands and Water Bodies 1				Cred1: Solar Orientation
							Cred1: Renewable Energy Production
0 0 0 Neighborhood Pattern & Design 41							Cred1: District Heating and Cooling
Y			Prereq: Walkable Streets Required				Cred1: Infrastructure Energy Efficiency
Y			Prereq: Compact Development Required				Cred1: Waste Management
Y			Prereq: Connected and Open Community Required				Cred1: Recycled and Reused Infrastructure
			Cred1: Walkable Streets 9				Cred1: Solid Waste Management
			Cred1: Compact Development 6				Cred1: Light Pollution Reduction
			Cred1: Mixed-Use Neighborhoods 4	0 0 0 Innovation & Design Process			
			Cred1: Housing Types and Affordability 7				Cred1: Innovation
			Cred1: Reduced Parking Footprint 1				Cred1: LEED® Accredited Professional
			Cred1: Connected and Open Community 2	0 0 0 Regional Priority Credits			
			Cred1: Transit Facilities 1				Cred1: Regional Priority Credit: Region Defined
			Cred1: Transportation Demand Management 2				Cred1: Regional Priority Credit: Region Defined
			Cred1: Access to Civic & Public Space 1				Cred1: Regional Priority Credit: Region Defined
			Cred1: Access to Recreation Facilities 1				Cred1: Regional Priority Credit: Region Defined
			Cred1: Visibility and Universal Design 1				Cred1: Regional Priority Credit: Region Defined
			Cred1: Community Outreach and Involvement 2				Cred1: Regional Priority Credit: Region Defined

LEED ND checklist (<https://www.usgbc.org/leed>); and the ISI Envision categories (<https://sustainableinfrastructure.org/envision/overview-of-envision/>)

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Nina Baird

Are you interested in how urban infrastructure and community design may be approached differently around the world? Do countries that high population density approach urban design and green infrastructure the same way as the US and other more sparsely populated countries? 48795 A4, LEED, Green Infrastructure and Community Rating in Global Context, is a graduate level mini-course that uses global community and infrastructure rating systems to gain perspective about sustainability in context. The course is organized within the framework of the US Green Building Council's Leadership in Energy and Environmental Design (LEED) Cities & Communities Rating System and the Institute for Sustainable Infrastructure (ISI) Envision Rating System. Within those frameworks, we explore the strategies and credit structure, and compare these with the community characteristics, strategies and credit structure in community and infrastructure rating systems from other countries. We also discuss emerging issues that may be omitted from rating systems, and the design of the rating system itself, its implementation, and the national context in which the system was created.

Although the course provides a foundation for taking USGBC's LEED Green Associate and/or LEED Accredited Professional exams, or the ISI Envision Sustainability Professional exam, it is designed to develop your understanding of, and hone your critical thinking about the sustainability in context, using the definitions and metrics provided for us by rating systems around the world.

