Training course on Sustainable Real Estate Development and Green Building

Professional Development Training Course Outline

Category	Real Estate Institute	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Sustainable Real Estate Development and Green Building is no longer an optional add-on but a fundamental paradigm shift in the global property industry. This discipline focuses on designing, constructing, and operating buildings and communities in a manner that minimizes environmental impact, optimizes resource efficiency, enhances human health and well-being, and drives long-term economic value. In an era defined by climate change, resource scarcity, and heightened social awareness, mastery of sustainable development principles and green building practices is paramount for developers, investors, designers, and managers alike. It enables the creation of high-performing assets that command higher rents, attract environmentally conscious tenants, reduce operational costs, mitigate risks, and comply with evolving regulations. Failure to embrace sustainability can lead to stranded assets, increased liabilities, diminished market appeal, and a significant competitive disadvantage. Training Course on Sustainable Real Estate Development and Green Building is meticulously designed to equip with the advanced theoretical insights and intensive practical tools necessary to excel in Sustainable Real Estate Development and Green Building. We will delve into sophisticated methodologies for integrating sustainability across the entire project lifecycle, from site selection and design to construction and operations, master the intricacies of achieving leading green building certifications (LEED, BREEAM, EDGE, WELL), and explore cutting-edge approaches to energy and water efficiency, responsible material sourcing, waste management, and optimizing indoor environmental quality. A significant focus will be placed on understanding the financial business case for green buildings, navigating regulatory frameworks, fostering collaborative project teams, and leveraging innovative technologies. By integrating industry best practices, analyzing real-world complex green development case studies, and engaging in hands-on sustainability assessment exercises, financial modeling, and strategic planning, attendees will develop the strategic acumen to confidently lead and deliver high-impact sustainable projects, fostering unparalleled environmental stewardship, economic prosperity, and social equity, and securing their position as indispensable assets in the forefront of transformative real estate development.

Programme Curriculum

Training Course on Sustainable Real Estate Development and Green Building

Introduction

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Training Course on Sustainable Real Estate Development and Green Building is meticulously designed to equip with the advanced theoretical insights and intensive practical tools necessary to excel in **Sustainable Real Estate Development and Green Building**. We will delve into sophisticated methodologies for **integrating sustainability across the entire project lifecycle, from site selection and design to construction and operations**, master the intricacies of **achieving leading green building certifications (LEED, BREEAM, EDGE, WELL)**, and explore cutting-edge approaches to **energy and water efficiency, responsible material sourcing, waste management, and optimizing indoor environmental quality**. A significant focus will be placed on understanding the financial business case for green buildings, navigating regulatory frameworks, fostering collaborative project teams, and leveraging innovative technologies. By integrating industry best practices, analyzing real-world complex green development case studies, and engaging in hands-on sustainability assessment exercises, financial modeling, and strategic planning, attendees will develop the strategic acumen to confidently lead and deliver high-impact sustainable projects, fostering unparalleled **environmental stewardship, economic prosperity, and social equity**, and securing their position as indispensable assets in the forefront of **transformative real estate development**.

Course Objectives

Upon completion of this course, participants will be able to:

1. Analyze the fundamental principles and strategic importance of **sustainable real estate development**.
2. Comprehend the criteria and benefits of major **green building certification systems** (LEED, BREEAM, EDGE, WELL).
3. Master strategies for **sustainable site selection, planning, and urban design**.
4. Develop and implement advanced techniques for **energy efficiency and renewable energy integration** in buildings.
5. Formulate robust plans for **water conservation and responsible water management** throughout the building lifecycle.
6. Apply principles of **sustainable materials selection, waste reduction, and circular economy** in construction and operations.
7. Design and optimize for **superior Indoor Environmental Quality (IEQ)** and occupant health and well-being.
8. Understand the concepts of **building resilience and climate adaptation** in sustainable development.
9. Evaluate the comprehensive **financial business case and ROI** for green building projects.
10. Navigate the **legal, regulatory, and policy landscape** supporting sustainable real estate.

11. Implement an **integrated design process (IDP)** and effective project management for green buildings.
12. Explore **emerging trends and future directions** in sustainable real estate and smart green cities.
13. Design a holistic **sustainable development and green building strategy** for a real estate project.

Target Audience

This course is designed for professionals leading or involved in sustainable real estate projects:

1. **Real Estate Developers:** Seeking to integrate sustainability into their core business model.
2. **Architects & Engineers:** Focusing on designing and specifying green building solutions.
3. **Construction Managers:** Implementing sustainable construction practices on-site.
4. **Investors & Asset Managers:** Evaluating green building investments and their performance.
5. **Urban Planners & Policy Makers:** Shaping sustainable urban development.
6. **Sustainability Consultants:** Specializing in green building certifications and strategies.
7. **Property Managers:** Managing the operations of green and sustainable buildings.
8. **Government Officials:** Developing and enforcing green building codes and incentives.

Course Duration: 10 Days

Course Modules

Module 1: Foundations of Sustainable Real Estate Development

- Defining sustainability in the built environment: environmental, social, and economic dimensions.
- Analyzing global trends and drivers for sustainable real estate (climate change, resource scarcity, investor demand).
- Understanding the Triple Bottom Line (People, Planet, Profit) in real estate.
- The concept of ESG (Environmental, Social, Governance) in real estate investment and development.
- The role of real estate in global greenhouse gas emissions and climate change mitigation.

Module 2: Overview of Green Building Certification Systems

- Introduction to leading green building certifications: LEED (Leadership in Energy and Environmental Design), BREEAM (Building Research Establishment Environmental Assessment Method).
- **EDGE (Excellence in Design for Greater Efficiencies)**: methodology, criteria, and global applicability.
- **WELL Building Standard:** focusing on human health and well-being in the built environment.
- Comparing and contrasting different certification systems: scope, rigor, regional relevance.
- The benefits of green building certification: marketability, operational savings, risk mitigation.

Module 3: Sustainable Site Selection & Urban Planning

- Principles of sustainable site selection: brownfield redevelopment, infill development, access to transit.
- Minimizing ecological impact during site development and construction.
- Sustainable land use planning and compact development strategies.
- Managing stormwater runoff, heat island effect, and light pollution.
- Fostering community connectivity, walkability, and access to amenities.

Module 4: Advanced Energy Efficiency in Buildings

- Strategies for high-performance building envelopes (insulation, windows, shading).
- Optimizing HVAC systems for maximum energy efficiency and indoor air quality.
- Smart lighting design, daylight harvesting, and advanced lighting controls.
- Passive design strategies: natural ventilation, solar orientation, thermal mass.

- Energy modeling and simulation tools for design optimization and performance prediction.

Module 5: Renewable Energy Integration & Net-Zero Concepts

- Feasibility and implementation of on-site renewable energy systems (solar PV, geothermal, wind).
- Understanding grid-tied vs. off-grid systems and energy storage solutions.
- Strategies for achieving Net-Zero Energy (NZE) and Net-Zero Carbon (NZC) buildings.
- Exploring district energy systems and community-scale renewable solutions.
- Financial incentives and policies supporting renewable energy adoption.

Module 6: Water Conservation & Management

- Implementing water-efficient fixtures and appliances in buildings.
- Advanced strategies for rainwater harvesting and greywater recycling systems.
- Designing sustainable landscapes with drought-tolerant native vegetation.
- Managing potable water consumption and reducing wastewater generation.
- Water quality management and pollution prevention.

Module 7: Sustainable Materials, Waste & Circular Economy

- Criteria for selecting environmentally preferable building materials (low embodied carbon, recycled content, regional sourcing).
- Strategies for construction waste reduction, diversion, and recycling.
- Implementing robust operational waste management programs.
- Principles of the circular economy in real estate: designing for disassembly, material reuse.
- Understanding material health, toxicity, and Declare labels.

Module 8: Indoor Environmental Quality (IEQ) & Occupant Well-being

- Comprehensive approach to Indoor Environmental Quality (IEQ): air, light, thermal, acoustic comfort.
- Strategies for enhancing indoor air quality: ventilation, filtration, low-emitting materials.
- Maximizing natural light and views (daylighting) for occupant health and productivity.
- Biophilic design principles: connecting occupants with nature.
- Designing for accessibility, universal design, and occupant health and wellness.

Module 9: Building Resilience & Climate Adaptation

- Understanding climate risks and their impact on real estate assets (extreme weather, sea-level rise).
- Strategies for designing and constructing climate-resilient buildings and communities.
- Implementing passive and active adaptive measures to changing environmental conditions.
- The role of site planning and infrastructure in enhancing resilience.
- Risk assessment and mitigation for climate-related hazards.

Module 10: Financial Business Case & Green Building Economics

- Conducting cost-benefit analysis for green building features and certifications.
- Quantifying the ROI of sustainable development: operational savings, increased rents, higher asset value.
- Accessing green financing mechanisms, incentives, and government grants.
- Understanding the impact of green buildings on marketability, sales velocity, and tenant retention.
- Life cycle costing and Total Cost of Ownership (TCO) for sustainable assets.

Module 11: Integrated Design Process & Project Management for Green Buildings

- Implementing an Integrated Design Process (IDP): collaborative, multidisciplinary approach.
- The role of commissioning and retro-commissioning in ensuring green building performance.
- Managing green construction practices: waste management on site, indoor air quality during construction.
- Green procurement strategies for construction services and materials.
- Effective communication and stakeholder engagement for sustainable projects.

Module 12: Emerging Trends & Future of Sustainable Real Estate

- The advent of Digital Twins for optimizing green building performance and lifecycle management.
- Advanced AI and machine learning for predictive sustainability in operations.
- The role of blockchain in tracking material provenance and carbon footprints.
- Urban regeneration, smart cities, and district-level sustainability initiatives.
- Deep decarbonization pathways, embodied carbon reduction, and climate-positive development.

Training Methodology

- **Interactive Workshops:** Facilitated discussions, group exercises, and problem-solving activities.
- **Case Studies:** Real-world examples to illustrate successful community-based surveillance practices.
- **Role-Playing and Simulations:** Practice engaging communities in surveillance activities.
- **Expert Presentations:** Insights from experienced public health professionals and community leaders.
- **Group Projects:** Collaborative development of community surveillance plans.
- **Action Planning:** Development of personalized action plans for implementing community-based surveillance.
- **Digital Tools and Resources:** Utilization of online platforms for collaboration and learning.
- **Peer-to-Peer Learning:** Sharing experiences and insights on community engagement.
- **Post-Training Support:** Access to online forums, mentorship, and continued learning resources.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

- Participants must be conversant in English.
- Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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