

Design and Environment

Madrid (Spain)

24 - 28 March 2025

UK Training

PARTNER



Design and Environment

Code: NC28 From: 24 - 28 March 2025 City: Madrid (Spain) Fees: 4700 Pound

Introduction

The Design and Environment: Modern Advances course is a comprehensive program that explores the intersection of design principles and environmental considerations in the modern context. This course is designed to provide participants with a deep understanding of the latest advancements in sustainable design, green technologies, and environmentally friendly practices. Through a combination of lectures, case studies, and hands-on exercises, participants will gain practical knowledge and skills to create innovative and ecologically responsible designs.

Course Objectives

- Introduce participants to the principles and importance of sustainable design in the modern era.
- Explore the latest advancements in green technologies and their application in design processes.
- Provide insights into the environmental impact of design choices and strategies to minimize negative effects.
- Develop an understanding of eco-friendly materials, energy-efficient systems, and waste reduction techniques.
- Familiarize participants with the concept of biophilic design and its benefits to human well-being and the environment.
- Equip participants with tools and methodologies to integrate sustainability into the design process.
- Encourage critical thinking and problem-solving skills to address complex environmental challenges through design.

Course Outline

Day 1

Introduction to Sustainable Design

- Understanding the principles and foundations of sustainable design
- Exploring the triple bottom line: environmental, social, and economic aspects
- Case studies of successful sustainable design projects
- Integrating sustainability into the design process

Day 2

Green Technologies and Innovations

- Overview of the latest advancements in green technologies



- Renewable energy sources and their applications in design
- Building automation and smart systems for energy efficiency
- Sustainable transportation and mobility solutions

Day 3

Environmental Impact and Mitigation Strategies

- Analyzing the environmental impact of design choices
- Life cycle assessment and carbon footprint analysis
- Strategies for waste reduction, recycling, and upcycling
- Water conservation and efficient use in design

Day 4

Eco-Friendly Materials and Systems

- Exploring sustainable materials and their properties
- Green building materials and construction techniques
- Energy-efficient HVAC Heating, Ventilation, and Air Conditioning systems
- Indoor environmental quality and healthy building practices

Day 5

Biophilic Design and Future Trends

- Understanding the concept of biophilic design and its benefits
- Designing with nature: integrating natural elements into the built environment
- Future trends and emerging technologies in sustainable design
- Developing a personal action plan for sustainable design practices



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