

CLIMATE CHANGE, SUSTAINABILITY AND RENEWABLE ENERGY

Dubai - UAE

06 - Sep 2026 - 17 - Sep 2026

\$10,000



GENTEX[®]
TRAINING CENTER



Introduction

Climate change and the shift toward clean energy are reshaping industries, policies, and daily operations worldwide. This course from Gentex Training Center equips participants with practical knowledge of climate science, sustainability practices, and renewable energy systems. Learners will explore global climate trends, carbon reduction strategies, and the technologies driving the energy transition. The course blends theory with real-world case studies, giving participants tools to support sustainability goals within their organizations. Through structured sessions, attendees will build a solid foundation in environmental policy, energy efficiency, and green innovation. Gentex Training Center designs this program to deliver clear, actionable insights for professionals seeking to strengthen their expertise in one of today's most important global fields.

Climate Change, Sustainability and Renewable Energy Course Objectives

- Explain the science behind climate change and global warming
- Identify key drivers of greenhouse gas emissions across sectors
- Describe international climate agreements and policy frameworks
- Apply sustainability principles to organizational operations
- Assess renewable energy technologies and their applications
- Evaluate energy efficiency measures for cost and emission reduction
- Analyze carbon footprint measurement and reporting methods
- Develop strategies for corporate sustainability planning
- Recognize emerging trends in green finance and investment
- Support the integration of renewable energy into business strategy

Course Methodology



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- Interactive lectures supported by real-world case studies
- Group discussions to encourage practical problem-solving
- Data-driven exercises on emissions and energy calculations
- Visual presentations covering renewable energy technologies
- Q&A sessions to reinforce key concepts daily
- Practical templates for sustainability planning and reporting

Who Should Take This Course

- Environmental and sustainability officers
- Energy sector professionals
- Corporate social responsibility (CSR) managers
- Facility and operations managers
- Policy analysts and government staff
- Engineers working on green projects
- Consultants advising on climate strategy

Climate Change, Sustainability and Renewable Energy Course Outlines

Day 1: Foundations of Climate Change

- Overview of global climate systems
- Causes and effects of climate change
- Greenhouse gases and their sources
- Climate change indicators and data
- Regional and global impacts



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- Historical climate trends
- Introduction to course objectives

Day 2: Global Climate Policy and Frameworks

- Paris Agreement and its goals
- Role of the UNFCCC
- National climate commitments (NDCs)
- Carbon pricing mechanisms
- Climate governance structures
- Public vs. private sector roles
- Policy compliance challenges

Day 3: Principles of Sustainability

- Defining sustainability and its pillars
- Environmental, social, and economic balance
- Sustainable development goals (SDGs)
- Corporate sustainability strategies
- Sustainability reporting standards
- Stakeholder engagement approaches
- Barriers to sustainable practices

Day 4: Carbon Footprint and Emissions Management

- Measuring carbon footprints
- Scope 1, 2, and 3 emissions
- Emissions reduction strategies



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- Carbon offsetting and credits
- Reporting tools and software
- Industry benchmarking practices
- Case studies on emissions reduction

Day 5: Renewable Energy Fundamentals

- Types of renewable energy sources
- Solar energy technologies
- Wind energy systems
- Hydropower and geothermal energy
- Comparing renewable vs. fossil fuels
- Grid integration challenges
- Renewable energy market trends

Day 6: Energy Efficiency and Conservation

- Principles of energy efficiency
- Energy audits and assessments
- Building energy management
- Industrial energy efficiency measures
- Smart technologies for energy savings
- Cost-benefit analysis of efficiency projects
- Behavioral approaches to conservation

Day 7: Green Finance and Investment

- Introduction to green finance



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- Green bonds and sustainable funds
- ESG (Environmental, Social, Governance) criteria
- Financing renewable energy projects
- Risk assessment in green investments
- Role of banks and investors
- Emerging green finance trends

Day 8: Corporate Sustainability Strategy

- Building a sustainability action plan
- Integrating sustainability into business models
- Supply chain sustainability
- Employee engagement in green initiatives
- Sustainability KPIs and metrics
- Communicating sustainability performance
- Aligning strategy with SDGs

Day 9: Innovation and Emerging Technologies

- Emerging clean technologies
- Energy storage solutions
- Smart grids and digitalization
- Carbon capture and storage
- Circular economy concepts
- Innovation in green transportation
- Future outlook for clean tech





Day 10: Implementation and Course Wrap-Up

- Developing an action plan
- Overcoming implementation challenges
- Monitoring and evaluation methods
- Best practices from global case studies
- Group project presentations
- Course summary and key takeaways
- Final discussion and closing remarks

Conclusion

By successfully completing Climate Change, Sustainability and Renewable Energy, participants will have acquired a strong understanding of climate science, sustainability principles, and renewable energy technologies. Furthermore, they will gain practical skills in emissions management, green finance, and sustainability strategy development. As a result, participants will be better prepared to support environmental initiatives within their organizations. Gentex Training Center remains committed to delivering high-quality, practical training that empowers professionals to lead meaningful change in sustainability and energy management.

FAQs

1. What is the "Climate Change, Sustainability and Renewable Energy" course about?

This course covers climate science, sustainability practices, and renewable energy technologies for real-world application.



2. Who should attend the "Climate Change, Sustainability and Renewable Energy" course?

It is designed for sustainability officers, energy professionals, CSR managers, engineers, and policy analysts.

3. What skills will I gain from the "Climate Change, Sustainability and Renewable Energy" course?

Participants will gain skills in climate risk assessment, sustainability planning, renewable energy analysis, and carbon management.

4. How long is the "Climate Change, Sustainability and Renewable Energy" course, and how is it delivered?

This course runs for 40 hours over 10 days, from 9:00 AM to 1:00 PM.

5. Does Gentex Training Center provide a certificate for the "Climate Change, Sustainability and Renewable Energy" course?

Yes. Gentex Training Center provides a certificate upon successful completion on the last day of the course, along with a soft copy.