Training Course on Climate Change: Economics and Governance

Professional Development Training Course Outline

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

Course Introduction

In today’s rapidly evolving global landscape, climate change stands as one of the most pressing challenges facing humanity. The economic implications of climate change, from disrupted supply chains to rising costs of disaster management, underscore the urgent need for innovative policy frameworks, sustainable finance, and strategic governance. Training Course on Climate Change: Economics & Governance is designed to equip professionals, policymakers, and students with the analytical tools, real-world insights, and policy strategies necessary to drive climate resilience and green growth. With a strong emphasis on climate economics, carbon pricing, environmental policy, climate risk, sustainable development goals (SDGs), and green finance, this course blends theory and practice for impactful learning.

Through an interdisciplinary approach, participants will explore climate governance mechanisms, economic modeling, adaptation finance, ESG investing, and international climate treaties. The course includes interactive case studies, regional policy analysis, and insights from industry leaders and global institutions. As climate change transitions from environmental concern to economic imperative, the knowledge and skills gained here will empower participants to influence both local and global sustainability agendas with data-driven, governance-informed decisions.

Programme Curriculum

Training Course on Climate Change: Economics & Governance

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Course Objectives

1. Understand the economic impacts of climate change on global and local economies.
2. Evaluate climate finance mechanisms and green funding opportunities.
3. Analyze the role of public and private sector governance in climate action.
4. Develop strategies for low-carbon development and decarbonization.
5. Study carbon pricing, emissions trading systems (ETS), and market-based approaches.
6. Explore the intersection of climate change and social equity in policy-making.
7. Assess international climate policies, including the Paris Agreement.
8. Learn the fundamentals of environmental economic modeling and valuation.
9. Examine the role of green technology and innovation in climate governance.
10. Apply principles of ESG investing and climate risk disclosure.
11. Understand climate adaptation and mitigation strategies in developing countries.
12. Interpret climate data analytics and reporting for strategic planning.
13. Foster leadership in climate governance frameworks and global collaboration.

Target Audience

- Policy makers and legislators
- Environmental economists and researchers
- Urban planners and infrastructure developers
- Climate finance professionals
- NGO and nonprofit climate advocates
- Energy and sustainability officers
- Corporate social responsibility (CSR) managers
- Graduate students in environmental and economic disciplines

Course Duration: 10 days

Course Modules

Module 1: Introduction to Climate Change and Economic Impact

- Overview of climate science and global trends
- Economic sectors most affected by climate change
- Direct vs. indirect economic impacts
- Measuring the cost of inaction
- Climate change and the global GDP
- **Case Study: Hurricane Katrina's economic aftermath**

Module 2: Fundamentals of Climate Governance

- Climate governance frameworks and actors
- UNFCCC, IPCC, and COP process
- Role of national and local governments
- Governance challenges in climate adaptation
- Climate diplomacy and negotiation techniques
- **Case Study: The Paris Agreement negotiation process**

Module 3: Climate Finance and Green Investment

- Definition and scope of climate finance
- Key climate finance institutions (Green Climate Fund, World Bank)
- Private vs. public financing
- Innovative financing tools: green bonds, climate risk insurance
- Tracking and transparency of climate finance
- **Case Study: Kenya’s geothermal green bond project**

Module 4: Carbon Pricing and Emissions Trading

- Principles of carbon pricing
- Types: carbon tax, cap-and-trade systems
- Global ETS models (EU, China, California)
- Market design and efficiency
- Carbon leakage and competitiveness
- **Case Study: EU Emissions Trading Scheme (EU ETS)**

Module 5: Environmental Economic Valuation

- Valuing ecosystem services
- Market and non-market valuation methods
- Cost-benefit analysis in climate projects
- Environmental externalities
- Integrated assessment models (IAMs)
- **Case Study: Stern Review on the Economics of Climate Change**

Module 6: ESG and Climate Risk Management

- ESG criteria in investment decisions
- TCFD and climate-related financial disclosure
- Risk types: transition, physical, liability
- Stress testing and scenario planning
- Regulatory trends in ESG reporting
- **Case Study: BlackRock’s climate risk investment pivot**

Module 7: Adaptation Economics

- Economic rationale for adaptation investment
- Financing local resilience infrastructure
- Adaptive capacity and cost-efficiency
- Role of insurance and risk pooling
- Urban vs. rural adaptation strategies
- **Case Study: Bangladesh’s climate adaptation planning**

Module 8: Mitigation Strategies and Technologies

- Key mitigation pathways
- Renewable energy economics
- Energy efficiency and demand-side solutions
- Carbon capture and storage (CCS)
- Sectoral mitigation (transport, agriculture, industry)
- **Case Study: Denmark’s wind energy transformation**

Module 9: International Climate Agreements and Policy

- Key multilateral treaties and their evolution
- Kyoto Protocol vs. Paris Agreement
- Nationally Determined Contributions (NDCs)
- Compliance and enforcement mechanisms
- Role of global north vs. global south
- **Case Study: India’s NDC and solar mission**

Module 10: Climate Innovation and Green Economy

- Green technologies and R&D
- Innovation ecosystems for climate solutions
- Circular economy principles
- Public-private partnerships for innovation
- Intellectual property and clean tech access
- **Case Study: Tesla and disruptive climate innovation**

Module 11: Climate Justice and Social Equity

- Vulnerable populations and climate vulnerability
- Just transition principles

- Gender and indigenous perspectives
- Climate displacement and migration
- Equity in climate finance access
- **Case Study: Indigenous climate resistance in the Amazon**

Module 12: Climate Data and Decision-Making

- Climate data sources and standards
- Monitoring, reporting, and verification (MRV)
- Climate modeling tools
- Forecasting and early warning systems
- Data-driven policy interventions
- **Case Study: NASA climate data use in Africa**

Module 13: Sustainable Urban Planning & Climate Resilience

- Smart cities and low-carbon infrastructure
- Urban heat islands and green space planning
- Resilience indicators for cities
- Zoning and climate-smart land use
- Disaster risk reduction (DRR)
- **Case Study: Rotterdam's climate-resilient infrastructure**

Module 14: Corporate Governance and Climate Action

- Climate responsibilities of corporations
- Sustainability reporting standards
- Role of boards and C-suite in ESG
- Climate-related financial regulations
- Stakeholder engagement and transparency
- **Case Study: Microsoft's carbon-negative strategy**

Module 15: Future of Climate Economics and Governance

- Climate futures: scenarios and foresight
- AI and climate predictive tools
- Emerging global climate governance trends
- Green jobs and the future workforce
- Integrating climate into economic planning
- **Case Study: OECD foresight report on climate governance**

Training Methodology

- Interactive lectures by subject matter experts
- Case study analyses and real-world simulations
- Group discussions and peer learning
- Hands-on exercises using climate tools and models

- Guest speakers from UN, IPCC, and major institutions
- Capstone project with feedback from instructors

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

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

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

Start Date	End Date	Location	Price
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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