Climate Change Risk and Insurance Training Course

Professional Development Training Course Outline

Category	Insurance	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

As the climate crisis intensifies, the financial and societal risks linked to extreme weather events, rising sea levels, and ecosystem disruptions have surged. The insurance industry plays a pivotal role in building resilience and mitigating climate-related risks. Training Course on Climate Change Risk and Insurance empowers professionals to understand the intersection of environmental shifts and financial risk, while equipping them with tools to design adaptive insurance products and risk management strategies.

Integrating real-world case studies, innovative financial modeling, and regulatory frameworks, this training offers comprehensive insights into sustainable insurance practices. Learners will explore climate risk assessment, parametric insurance solutions, ESG integration, and global best practices to become climate-resilient risk professionals. With an emphasis on actionable strategies, this course serves policy advisors, insurers, risk managers, and sustainability officers seeking to lead change in climate risk finance.

Programme Curriculum

Climate Change Risk and Insurance Training Course

Introduction

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insurance solutions, ESG integration, and global best practices to become climate-resilient risk professionals. With an emphasis on actionable strategies, this course serves policy advisors, insurers, risk managers, and sustainability officers seeking to lead change in climate risk finance.

Course Objectives

1. Understand the impact of climate change on global insurance markets.
2. Explore climate risk assessment frameworks and disaster risk modeling.
3. Learn how to integrate Environmental, Social, and Governance (ESG) in insurance.
4. Examine parametric insurance and climate index-based solutions.
5. Analyze the role of public-private partnerships (PPP) in climate finance.
6. Evaluate catastrophe bonds (cat bonds) and alternative risk transfer tools.
7. Understand climate adaptation and resilience in underwriting.
8. Study the implications of climate regulations and sustainability disclosure.
9. Apply data-driven climate risk models for strategic decisions.
10. Develop climate-smart reinsurance structures.
11. Assess emerging climate hazards like wildfire, drought, and flooding.
12. Promote climate justice and inclusive insurance solutions.
13. Build capacity for climate scenario analysis and stress testing.

Target Audience

1. Insurance Underwriters
2. Risk Managers
3. Climate Policy Advisors
4. Sustainability Consultants
5. Environmental Finance Professionals
6. Government and NGO Stakeholders
7. Climate Researchers and Academics
8. Reinsurance Specialists

Course Duration: 5 days

Course Modules

Module 1: Climate Change and Insurance Fundamentals

- Overview of climate science and insurance convergence
- Global climate patterns and insurance trends
- Key climate risks: floods, droughts, hurricanes
- Insurance cycle response to climate impacts
- Stakeholder roles in climate insurance
- **Case Study:** Hurricane Katrina's impact on U.S. insurance markets

Module 2: Climate Risk Assessment and Modeling

- Climate risk identification techniques
- Quantitative vs qualitative climate risk analysis
- Use of predictive analytics and big data
- Scenario planning for climate impacts
- Exposure and vulnerability mapping
- **Case Study:** Swiss Re’s Climate Risk Tool application

Module 3: Parametric and Index-Based Insurance

- Introduction to parametric insurance models

- Trigger-based payouts and climate indices
- Benefits over traditional indemnity insurance
- Key design considerations and limitations
- Practical applications in agriculture and infrastructure
- **Case Study:** Caribbean Catastrophe Risk Insurance Facility (CCRIF)

Module 4: ESG Integration and Regulatory Compliance

- ESG principles in insurance underwriting
- Climate disclosure frameworks (TCFD, ISSB)
- Climate-related financial risk guidelines
- Compliance strategies for insurers
- Global sustainability reporting standards
- **Case Study:** AXA’s Climate and ESG Reporting Approach

Module 5: Climate-Resilient Product Development

- Designing insurance for underserved communities
- Microinsurance and inclusive finance models
- Innovations in green insurance solutions
- Role of technology and fintech
- Risk-pooling mechanisms
- **Case Study:** InsuResilience Global Partnership programs

Module 6: Reinsurance and Alternative Risk Transfer

- Role of reinsurance in climate risk mitigation
- Catastrophe bonds and weather derivatives
- Parametric reinsurance solutions
- Risk layering and capital optimization
- Case examples in agriculture and property insurance
- **Case Study:** Munich Re's climate reinsurance portfolio

Module 7: Climate Adaptation, Resilience, and Policy

- Aligning insurance with climate adaptation plans
- Role of insurance in national climate strategies
- Financing resilient infrastructure
- Synergies between insurance and sustainable development
- Policy incentives for climate-smart insurance
- **Case Study:** India’s National Crop Insurance Program (PMFBY)

Module 8: Scenario Analysis and Future of Climate Risk Insurance

- Climate scenario analysis frameworks
- Tools for climate risk stress testing
- Long-term outlook for climate insurance
- AI and machine learning in climate risk prediction
- Preparing for black swan climate events
- **Case Study:** Lloyd’s of London’s “Future at Lloyd’s” climate vision

Training Methodology

- Interactive expert-led workshops
- Real-world case study analysis
- Hands-on group exercises

- Gamified learning and simulations
- Pre/post training assessments
- Action planning and strategy sessions

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	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com