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022: Debt Management and Climate Change - 6.0 CEUs

CEU: 6.0 **Duration:** 18hours 39minutes **Tuition:** $5,700

Course Banner

Teachers:

- Ambrose Okorie (PhD, PMP, IT Project Management)
- Nandini Gupta (PhD, Associate Professor of Finance, Kelley School of Business, Indiana University)

Course Topics:

- Debt Management
- Climate Change

Program Locations & Dates:

- Houston, TX USA: Aug 3-7
- UYO, NIGERIA: July 13-17
- Houston, TX USA: Oct 19-23

Program Tags:

- Climate

About Course

This course on Debt Management and Climate Change is designed to help policymakers, economists, and development professionals understand and apply climate-sensitive approaches to sovereign debt planning and sustainability. It examines the growing importance of integrating environmental externalities into debt frameworks to enhance resilience, fiscal responsibility, and sustainable development.

Course Overview

Climate change presents both direct and indirect risks to public finance. This course provides a structured overview of how externalities—specifically environmental and social costs—can be integrated into debt management strategies. It explores the mechanisms through which climate-related risks impact debt sustainability and how green financing instruments can mitigate those effects.

Participants will examine real-world debt-for-climate initiatives and assess frameworks for aligning fiscal and climate goals. Through presentations, case analysis, and simulation exercises, they will learn how to design policies that promote transparency, equity, and resilience in public debt systems.

This course aims to shift the focus from short-term debt metrics to long-term value and sustainability, recognizing that sound debt management must now account for climate risks, carbon transition pathways, and socio-economic inclusion.

Course Objectives

This course aims to build practical understanding and institutional capacity to address externalities in sovereign debt planning, enabling governments and financial institutions to support climate adaptation and economic stability.

- Understand the concept of externalities in the context of debt management
- Analyze and evaluate the environmental impacts of borrowing and debt repayment decisions
- Assess the social implications of borrowing, including income distribution and access to essential services
- Explore strategies for ensuring long-term sustainability in debt management
- Learn how to engage stakeholders effectively in the decision-making process
- Promote transparency and accountability in debt management practices

Learning Outcomes

- Identify key environmental and social externalities affecting debt sustainability
- Evaluate policy trade-offs between economic growth and ecological stability
- Design debt management plans that incorporate climate risk and just transition principles
- Understand climate finance tools such as green bonds and debt-for-climate swaps
- Develop inclusive, transparent governance strategies for sustainable borrowing

Course Outline

- Introduction to Externalities in Debt Management
- Understanding Climate Risk and Fiscal Exposure
- Environmental and Social Impact Analysis in Public Borrowing
- Debt-for-Nature and Climate-Resilience Financing Tools
- Case Study: Climate Risk and Debt Distress in Island Economies
- Stakeholder Engagement and Equity Considerations
- Designing a Climate-Responsive Debt Management Framework
- Best Practices in Transparency and Governance
- Scenario Planning and Risk Stress Testing
- Interactive Simulation: Sustainable Debt Planning Exercise

Why This Course Matters

Ravi Menon
Climate Debt Analyst, India
"This course helped our team develop an entirely new framework for integrating climate risks into sovereign debt analysis. It's both timely and essential."

Carmen Rodriguez
Sovereign Finance Advisor, Chile
"A comprehensive and pragmatic course. The sessions on debt-for-climate swaps were especially relevant for Latin American contexts."

Julia Fischer
Green Finance Advisor, Germany
"The climate-lens applied to debt discussions is exactly what's needed. This course offered policy-relevant insights we're now applying in EU projects."

Course Content

Module 1: Introduction to Debt Management and Climate Change
Explore the link between debt policy and the impacts of climate change.

- **Understanding the linkages between debt management and climate change**

- **Overview of the potential impacts of climate change on debt sustainability**
- **Introduction to the concept of climate-related risks in debt management**

Module 2: Climate Change Impacts on Debt Sustainability
Understand how climate vulnerabilities affect financial health and repayment.

- **Examining the economic and financial implications of climate change**
- **Assessing the vulnerability of countries to climate-related risks**
- **Analyzing the potential effects of climate change on debt repayment capacity**

Module 3: Integrating Climate Change Considerations into Debt Management
Embed climate resilience into national and institutional borrowing plans.

- **Strategies for incorporating climate considerations into debt frameworks**
- **Assessing the environmental and social impacts of borrowing decisions**
- **Incorporating climate risk assessments into debt sustainability analyses**

Module 4: International Frameworks and Agreements
Understand how global policies influence debt and climate alignment.

- **Overview of climate-related international frameworks and agreements**
- **Role of multilateral development banks and climate finance mechanisms**
- **Implications of global climate agreements on debt sustainability**

Module 5: Innovative Financing Mechanisms for Climate Change
Explore modern tools like green bonds and climate funds for better debt design.

- **Green bonds and climate-linked financial instruments**
- **Case studies on climate adaptation and mitigation financing**
- **Supporting debt management goals through climate funding**

Module 6: Managing Climate-related Risks in Debt Management
Learn how to build resilience in debt policies through risk mitigation tools.

- **Developing strategies to mitigate climate-related debt risks**
- **Tools and techniques for climate risk assessment in public finance**
- **Integrating climate change into debt restructuring decisions**

Target Audience

This course is ideal for government officials, finance managers, policy advisors, and development practitioners who want to understand how climate risks impact debt management and how to integrate environmental sustainability into fiscal planning for resilient economic growth.

Certificate of Completion

Participants who successfully complete the Debt Management and Climate Change course will receive a Certificate of Completion. This certificate affirms your readiness to assess and manage the intersection between fiscal responsibility and environmental resilience. It represents your commitment to sustainable debt practices and your capacity to implement climate-conscious financial

policies that contribute to national and global sustainability goals.

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