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039: Essentials of Project Finance - 6.0 CEUs

CEU: 6.0 **Duration:** 19hours 10minutes **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:

- Project Planning

Program Locations & Dates:

- Houston, Texas USA: Jun 22-26
- Houston, Texas USA: Oct 5-9

Program Tags:

- Planning

About Course

The Essentials of Project Finance course offers professionals an in-depth understanding of how large-scale infrastructure and industrial projects are financed. It equips participants with the financial tools and frameworks required to evaluate, model, and structure project finance deals successfully. This course bridges theory and application by focusing on risk mitigation, valuation principles, and deal structuring in real-world project environments.

Course Overview

This course is designed to provide participants with an essential understanding of the principles and approaches to project finance and how to successfully apply practical tools and techniques for project finance valuation, analysis and modeling. Students will interact to explore step-by-step processes for evaluating project opportunities, checking the viability of the project, project appraisal, risk evaluation, structuring the contract.

Our goal is to provide a highly interactive and integrative professional development environment where participants discuss and address the need in the industry today for a systematic approach for project appraisal and evaluation while learning how to build a Project Finance Model and develop checklists for key stages of the project financing process.

We will do this by providing participants with an intensive overview of the core principles and practice of project finance to build a

thorough understanding of the crucial factors and techniques used in structuring project finance deals.

Course Objectives

The objective of this course is to enable professionals who work with investment funds and are interested in the principles of analyzing project finance risk and in further understanding the main elements of project finance debt. Participants will gain a deeper knowledge in the important aspects of Project Finance such as cost estimation, project feasibility study, risk analysis and mitigation, and important financial ratios required for project finance modeling through learning and development in the following areas:

- An Introduction to Project Finance
- The Project Finance Process
- Project Investment Criteria
- Managing Project Finance Risk
- Project Finance: Valuation Issues
- Managing the Project Contract
- Documentation and Information Quality

Learning Outcomes

- Build a project finance model based on real-world inputs and assumptions
- Evaluate project feasibility using investment appraisal tools
- Assess and mitigate risks in project finance structures
- Understand the key documents used in project finance and their role in risk allocation
- Apply best practices in structuring and managing project finance contracts

Course Outline

- An Introduction to Project Finance
- The Project Finance Process
- Experiential Exercise: Preparing a Feasibility Study
- Project Investment Criteria
- Managing Project Finance Risk
- Experiential Exercise: Risk Identification
- Project Finance: Valuation Issues
- Managing the Project Contract
- Case Study: Contract Life Cycle Management
- Documenting the Deal and Information Quality

Why This Course Matters

Kemi Balogun
Infrastructure Finance Specialist, Nigeria
"This course gave me a clear roadmap on how to evaluate public-private partnership (PPP) opportunities. The real-life case studies were excellent for practical understanding."

Liang Zhou
PPP Analyst, Singapore
"I was able to immediately apply what I learned to a real estate infrastructure project we were evaluating. The modeling techniques alone were worth the course."

Ricardo Silva
Project Director, Brazil
"The course helped bridge my understanding of finance and engineering. I now feel more confident working with lenders and legal teams on project structuring."

Course Content

Module 1: Introduction to Project Finance
Gain a foundational understanding of project finance principles, actors, and mechanisms.

- **Definition and characteristics of project finance**
- **Project finance vs. corporate finance**
- **Overview of key stakeholders**

Module 2: The Project Finance Process
Understand the lifecycle of a project finance transaction from planning to closure.

- **Stages of project finance**
- **Feasibility study and appraisal**
- **Case-based experiential exercise**

Module 3: Risk Management and Mitigation
Explore types of risks in project finance and strategies for risk mitigation.

- **Types of project risks (technical, financial, legal)**
- **Mitigation strategies and tools**
- **Experiential Exercise: Risk Identification**

Module 4: Project Finance Valuation & Financial Ratios
Learn how to conduct valuation and assess financial viability through key ratios.

- **Discounted cash flow (DCF) techniques**
- **Debt service coverage ratio (DSCR)**
- **Loan life coverage ratio (LLCR)**

Module 5: Project Contracts and Documentation
Understand legal documentation, responsibilities, and the role of contracts in project finance.

- **Key project contracts and structure**
- **Information quality and reporting**
- **Case Study: Contract Lifecycle Management**

Target Audience

Analysts, Managers, Senior Managers, Directors; Financial professionals including bankers and financial consultants; Project Managers and government officials responsible for project financing and infrastructure investments.

Certificate of Completion

Participants who successfully complete the Essentials of Project Finance course will receive a Certificate of Completion. This certificate signifies your understanding of the key principles, tools, and practices in project finance. It affirms your readiness to apply sound financial judgment, assess project viability, manage associated risks, and structure successful project finance deals across industries.

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