

# Counterparty Credit Risk

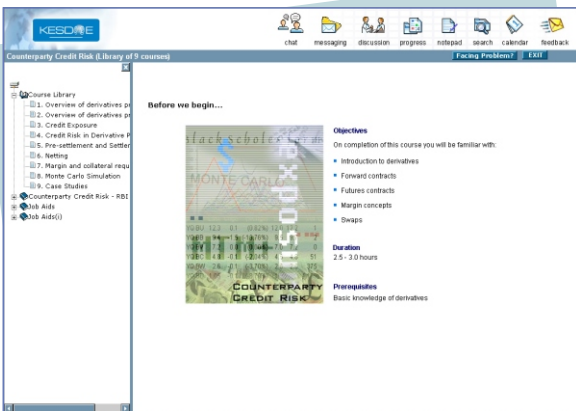
A comprehensive e-learning product covering Monte Carlo Simulation

**After completing this course you will be able to:**

- Quantify credit risk in derivative products
- Apply various techniques to mitigate credit risk
- Calculate credit exposure using Monte Carlo simulation
- Assimilate lessons from financial disasters (Barings Fall, Metallgesellschaft)



# Counterparty Credit Risk



## Course Level & Number of Courses

Intermediate Level  
Library of 9 Courses

## Instructional Method

Dynamic, Interactive e-learning

## Recommended Background

Familiarity with basic financial concepts

## Overview

Expansion and globalization of financial markets, complicated derivative contracts and an array of structured products are giving rise to counterparty credit risk. This product focuses on the mechanics and techniques of the assessment, quantification and management of the credit risk for various derivative products and includes techniques for the mitigation of pre-settlement and settlement risk such as netting and margin and collateral requirements. We also look at the Monte Carlo simulation methods for projecting worst-case exposure at the portfolio Level.

## Target Audience

Every professional involved in the global financial services industry (as a provider, user, regulator or advisor of product/services, marketplace/exchange) would benefit from KESDEE's innovative solutions.

- Supervisory Agencies
- Central Banks
- Financial Institutions
- Commercial Banks
- Investment Banks
- Housing Societies/Thriffs
- Mutual Funds
- Brokerage Houses
- Stock Exchanges
- Derivatives Exchanges
- Insurance Companies
- Multinational Corporations
- Accountancy Firms
- Consultancy Firms
- Law Firms
- Rating Agencies
- Multi-lateral Financial Institutions
- Others

### The themes of this product are:

- Mechanics and techniques for the assessment, quantification and management of the credit risk for exchange-traded and over-the-counter derivatives

## Library of 9 Courses

**Time taken to complete each Course: Two - Three hours**

### **1. Overview to Derivative Products-I**

- Objectives
- Introduction
- Forward contracts
- Futures
- Swaps

### **2. Overview to Derivative Products-II**

- Objectives
- Introduction
- Options
- Option strategies-I
- Option strategies-II

### **3. Credit Exposure**

- Objectives
- Introduction
- Credit Exposure
- Measuring Credit Exposure
- Probability of Default
- Recovery Rate

### **4. Credit Risk in Derivative Products**

- Objectives
- Introduction
- Credit Risk in Swaps
- Credit Risk in FRAs
- Credit Risk in Options

### **5. Pre-settlement & Settlement Risk**

- Objectives
- Introduction
- Pre-settlement risk
- Settlement risk

### **6. Netting**

- Objectives
- Introduction
- Types of netting
- Regulatory requirements
- Capital treatment

### **7. Margin and Collateral Requirements**

- Objectives
- Introduction
- Margin
- Collateral
- Haircut

### **8. Monte Carlo Simulation**

- Objectives
- Introduction
- Monte Carlo and Credit Risk

### **9 Case Studies**

- Objectives
- Barings Bank's Fall
- Metallgesellschaft

### **JOB AIDS**

- Measurement Tools
- Disclosures
- Regulations
- Global Best Practices
- Benchmarking Data
- References

### **Calculators in Counterparty Credit Risk**

1. Margin Call
2. Margin Cost
3. Credit Exposure in an FRA
4. NPV
5. FRA

## KESDEE's Off-the-Shelf e-Learning Course Libraries

Product Name	No. of Courses
1. Asset Liability Management	Library of 28 Courses
2. Liquidity Management and Contingency Funding Plan	Library of 14 Courses
3. Financial Institution Analysis - CAMELS Approach	Library of 08 Courses
4. Financial Mathematics	Library of 07 Courses
5. Global Banking Supervision	Library of 15 Courses
6. Capital Adequacy Planning (Basel I)	Library of 07 Courses
7. Basel-II-University	Library of 63 Courses
8. Operational Risk Management – Basel II	Library of 09 Courses
9. Futures and Forwards	Library of 07 Courses
10. Swaps	Library of 07 Courses
11. Options	Library of 10 Courses
12. Market Risk - Basic	Library of 08 Courses
13. Market Risk - Intermediate	Library of 08 Courses
14. Market Risk - Advanced	Library of 04 Courses
15. Value at Risk	Library of 16 Courses
16. Credit Analysis	Library of 13 Courses
17. Credit Ratings	Library of 03 Courses
18. Counter party Credit Risk	Library of 09 Courses
19. Credit Risk Modeling	Library of 06 Courses
20. Credit Derivatives	Library of 23 Courses
21. Operational Risk Management	Library of 21 Courses
22. Asset Securitization	Library of 28 Courses
23. Asset Liability Management for Insurance Companies	Library of 29 Courses
24. Anti-Money Laundering	Library of 06 Courses
25. Financial Privacy	Library of 06 Courses
26. Corporate Governance	Library of 09 Courses
27. Sarbanes-Oxley Act	Library of 12 Courses
28. Governance, Risk and Compliance	Library of 07 Courses
29. Money Markets	Library of 09 Courses
30. Fixed Income Markets	Library of 17 Courses
31. Equity Markets	Library of 10 Courses
32. Foreign Exchange Markets	Library of 09 Courses
33. Commodity and Energy Markets	Library of 03 Courses
34. CTM - Foreign Exchange Management	Library of 07 Courses
35. CTM - Treasury Analytics	Library of 05 Courses
36. CTM - Interest Rate Risk Management	Library of 04 Courses
37. CTM - Funding and Investments	Library of 05 Courses
38. CTM - Implementation	Library of 04 Courses
39. CTM - Case Studies	Library of 05 Courses
40. Understanding Financial Statements	Library of 02 Courses
41. Budgeting	Library of 05 Courses
42. Management Accounting	Library of 07 Courses
43. Financial Accounting	Library of 09 Courses
44. Mutual Funds	Library of 10 Courses
45. Financial Planning	Library of 09 Courses
46. UCP600	Library of 07 Courses
47. International Trade Services	Library of 09 Courses
48. BBM - Deposits	Library of 04 Courses
49. BBM - Advances	Library of 07 Courses
50. BBM - Marketing	Library of 03 Courses

# Available Products

## KESDEE's Off-the-Shelf e-Learning Course Libraries

Product Name	No. of Courses
51. BBM - Payment and Settlement System	Library of 02 Courses
52. BBM - Foreign Exchange Operations	Library of 03 Courses
53. BBM - Trade Finance	Library of 02 Courses
54. BBM - Book Keeping and accounting	Library of 03 Courses
55. BBM - Ancillary Services	Library of 02 Courses
56. BBM - Risk Management	Library of 03 Courses
57. BBM - Technology and Security	Library of 02 Courses
58. BBM - HRM and CSR	Library of 02 Courses
59. BBM - Retail Banking	Library of 03 Courses
60. Introduction to Bank Lending Environment	Library of 07 Courses
61. Basics of Banking	Library of 10 Courses
62. Flotation	Library of 04 Courses
63. Project Valuation	Library of 03 Courses
64. Trading Operation Controls	Library of 04 Courses
65. Economics	Library of 16 Courses
66. Estate Planning	Library of 04 Courses
67. Global Economic Crisis - Liquidity Management	Library of 07 Courses
68. Brokerage Operations	Library of 01 Course
69. Risk Analysis	Library of 05 Courses

\* CTM: Corporate Treasury Management

\* BBM: Bank Branch Management

### Certification Tutorials

1. ePRM Coach	Library of 68 Courses
2. Associate ePRM Coach	Library of 36 Courses
3. eFRM Coach for FRM Part I Exam	Library of 37 Courses
4. eCoach for the CFA® Level I Program	Library of 76 Courses

### Upcoming Products

KESDEE has the required technology platform to respond to clients training requirements in the banking and financial services industry. We offer several solutions, each developed with the guidance of creditable experts. Given below are few of the forthcoming products:

- Agricultural Finance



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