

### e-learning and reference solutions for the global finance professional

# **Basel II University**

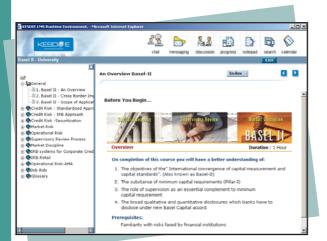
A comprehensive e-learning product on the new capital adequacy framework issued by the Basel Committee.

Upon completion of the course, the user will be able to:

- Understand the requirements of Basel II and its background
- Specify the data requirements for the key calculations involved in various approaches
- Perform the basic calculations for both the Standardized and IRB approaches
- Understand the advanced approaches for credit risk as well as operational risk
- Identify the specific issues to be addressed under supervisory review process (Pillar II)
- Understand the general considerations with regard to disclosure requirements (Pillar III)







### **Overview**

This is a comprehensive course that covers the requirements for Basel II as per the revised framework "International Convergence of Capital Measurement and Capital Standards". It covers in detail the primary components, or pillars, i.e., minimum capital requirements, supervisory review process and market discipline.

### **Course Level & Number of Courses**

Intermediate Level Library of 63 Courses

#### Instructional Method

Dynamic, Interactive e-learning

#### **Recommended Background**

Familiarity with basic financial concepts

#### Duration

Time taken to complete each Course: Two - Three hours

### Learning Path

Suggested Learning Paths for different target audience are given in the following pages

For more information, please visit:

### Library of 63 Courses

#### General

- 1. Basel II An Overview
- 2. Basel II Cross Border Implementation Issues
- 3. Basel II Scope of Application

#### **Credit Risk - Standardized Approach**

- 4. Basel II Standardised Approach Risk Weight Frame Work
- 5. Basel II Standardised Approach Credit Risk Mitigation
- 6. Basel II Standardised Approach External Credit Assessments
- 7. Simplified Standardised Approach

#### Credit Risk - IRB Approach

- 8. Basel II Corporate IRB Portfolio
- 9. Basel II Corporate IRB Portfolio Specialized Lending Portfolio
- 10. Basel II Sovereign IRB Portfolio
- 11. Basel II Bank IRB Portfolio
- 12. Basel II Residential Mortgage Exposures
- 13. Basel II Qualifying Revolving Retail Exposures
- 14. Basel II Other Retail Portfolio
- 15. Basel II Equity Exposures Portfolio
- 16. Basel II Purchased receivables IRB Portfolio
- 17. Basel II and IRB Minimum Requirements
- 18. Basel II Treatment of Expected losses

#### **Credit Risk - Securitization**

- 19. Basel II Securitization Standardised Approach
- 20. Basel II Securitization IRB approach
- 21. Basel II Securitization Operational requirements
- 22. Basel II Supervisory review process Securitization

For more information, please visit:

### Library of 63 Courses

#### Market Risk

- 23. Market risk Overview
- 24. Standardized Approach Interest Rate Risk
- 25. Standardized Approach Equity Position Risk
- 26. Standardized Approach Foreign Exchange Risk
- 27. Standardized Approach Commodity Risk
- 28. Standardized Approach Options Risk
- 29. Internal Models Approach Qualitative and Quantitative Standards
- 30. Internal Models Approach Specifications to Market Risk Factors
- 31. Internal Models Approach Stress Testing

#### **Operational Risk**

- 32. Basic Indicator Approach
- 33. Standardized Approach
- 34. Advanced Measurement Approaches
- 35. Mapping of Business Lines and Loss Event Classification
- 36. Operational Risk Management-Sound Practices
- 37. Qualifying Criteria For Operational Risk

#### **Supervisory Review Process**

- 38. Basel II Supervisory review process Key Principles (Pillar II)
- 39. Basel II Supervisory review process Specific Issues (Pillar II)
- 40. Basel II Supervisory review process Interest Rate Risk (Pillar II)

#### **Market Discipline**

- 41. Market discipline General Considerations (Pillar III)
- 42. Market discipline Disclosure requirements (Pillar III)

For more information, please visit:

### Library of 63 Courses

#### **IRB systems for Corporate Credit**

- 43. Overview
- 44. Ratings for IRB systems
- 45. Quantification of IRB Systems PD
- 46. Quantification of IRB Systems LGD
- 47. Quantification of IRB Systems EAD and Maturity
- 48. Data Maintenance Framework
- 49. Control and Oversight Mechanisms

#### **IRB - Retail**

- 50. Introduction
- 51. Retail Risk Segmentation systems for IRB
- 52. Quantification of IRB Systems PD
- 53. Quantification of IRB Systems LGD
- 54. Quantification of IRB Systems EAD and Maturity
- 55. Quantification: Special cases
- 56. Validation
- 57. Data Maintenance
- 58. Control and Oversight Mechanisms

#### **Operational Risk - AMA**

- 59. Operational Risk Introduction and CG
- 60. Operational Risk Management Elements
- 61. Elements of an AMA Framework
- 62. Risk Quantification and Mitigation
- 63. Data Maintenance and Testing

For more information, please visit:

#### **JOB AIDS**

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

#### List of calculators that are present in Job Aids

#### Calculators in Basel II University

- 1. Capital Ratio
- 2. Basic Indicator Approach
- 3. Credit Enhancement Level
- 4. CDD Comprehensive Basel II Calculator
- 5. CDD Retail Exposures
- 6. Corporate Exposures IRB Approach
- 7. Comprehensive Approach
- 8. Standardized Approach
- 9. Effective Maturity
- 10. Currency and Maturity Mismatch
- 11. Credit Risk Stadardized Approach
- 12. Capital Charge For Operational Risk Alternative Standardized Approach
- 13. Capital Charge Basic Indicator Approach(ORM)
- 14. Standardized Approach (ORM)
- 15. Internal Measurement Approach
- 16. Maturity Ladder Approach For Commodities Risk
- 17. Delta Plus Method For Options

For more information, please visit:

### Suggested learning paths for different audience and for different purposes

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Audience / Purpose	Learning Path			
1. Top Management	<ul> <li>Courses <ol> <li>Basel II - An Overview</li> <li>Credit Risk - Basel II Standardized Approach - Risk Weight Frame work</li> <li>Credit Risk - IRB Approach - Basel II - Corporate IRB Portfolio</li> <li>Operational Risk - Basic Indicator Approach</li> <li>Basel II - Supervisory review process Interest Rate Risk (Pillar II)</li> <li>Market discipline - General Considerations (Pillar III)</li> </ol> </li> <li>Job Aids</li> </ul>			
2. Broad awareness for a large group	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Credit Risk - Simplified Standardized Approach</li> <li>3. Operational Risk - Basic Indicator Approach</li> <li>4. Basel II - Supervisory review process Interest Rate Risk (Pillar II)</li> <li>5. Market discipline - General Considerations (Pillar III)</li> <li>Job Aids</li> </ul>			
3. Market Risk - Basic	<ul> <li>Courses <ol> <li>Basel II - An Overview</li> <li>Market Risk - Overview</li> <li>Market Risk - Standardized Approach - Interest Rate Risk</li> <li>Market Risk - Standardized Approach - Equity Position Risk</li> <li>Market Risk - Standardized Approach - Foreign Exchange Risk</li> <li>Market Risk - Standardized Approach - Foreign Exchange Risk</li> <li>Market Risk - Standardized Approach - Commodity Risk</li> <li>Market Risk - Standardized Approach - Options Risk</li> <li>Basel II - Supervisory review process Interest Rate Risk (Pillar II)</li> <li>Market discipline - General Considerations (Pillar III)</li> </ol> </li> <li>Job Aids</li> </ul>			

Audience / Purpose	Learning Path			
4. Market Risk - Intermediate	<ol> <li>Courses</li> <li>Basel II - An Overview</li> <li>Market Risk - Overview</li> <li>Market Risk - Internal Models Approach - Qualitative and Quantitative Standards</li> <li>Market Risk - Internal Models Approach - Specifications to Market Risk Factors</li> <li>Basel II - Supervisory review process Interest Rate Risk (Pillar II)</li> <li>Market discipline - General Considerations (Pillar III)</li> <li>Job Aids</li> </ol>			
5. Market Risk - Advanced	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Market Risk - Internal Models Approach - Stress Testing</li> <li>3. Basel II - Supervisory review process Interest Rate Risk (Pillar II)</li> <li>4. Market discipline - General Considerations (Pillar III)</li> <li>Job Aids</li> </ul>			
6. Credit Risk - Basic	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Credit Risk - Basel II Standardized Approach - Risk Weight Frame work</li> <li>3. Credit Risk - Basel II Standardized Approach - Credit Risk Mitigation</li> <li>4. Credit Risk - Basel II Standardized Approach - External Credit Assessments</li> <li>5. Credit Risk - Simplified Standardized Approach</li> <li>6. Credit Risk - Securitization - Basel II - Securitization - Standarised Approach</li> <li>7. Basel II - Supervisory review process Key Principles (Pillar II)</li> <li>8. Market discipline - General Considerations (Pillar III)</li> </ul>			

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For more information, please visit:

Audience / Purpose	Learning Path			
7. Credit Risk - Intermediate	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Credit Risk - IRB Approach - Basel II - Corporate IRB Portfolio</li> <li>3. Credit Risk - IRB Approach - Basel II - Corporate IRB Portfolio - Specialized Lending Portfolio</li> <li>4. Credit Risk - IRB Approach - Basel II - Sovereign IRB Portfolio</li> <li>5. Credit Risk - IRB Approach - Basel II - Bank IRB Portfolio</li> <li>6. Credit Risk - IRB Approach - Basel II - Bank IRB Portfolio</li> <li>6. Credit Risk - IRB Approach - Basel II - Residential Mortgage Exposures</li> <li>7. Credit Risk - IRB Approach - Basel II - Qualifying Revolving Retail Exposures</li> <li>8. Credit Risk - IRB Approach - Basel II - Other Retail Portfolio</li> <li>9. Credit Risk - IRB Approach - Basel II - Other Retail Portfolio</li> <li>10. Credit Risk - IRB Approach - Basel II - Equity Exposures Portfolio</li> <li>11. Credit Risk - IRB Approach - Basel II - Purchased receivables IRB portfolio</li> <li>12. Credit Risk - IRB Approach - Basel II - Treatment of expected losses.</li> <li>13. Basel II - Supervisory review process Specific Issues (Pillar II)</li> <li>14. Market discipline - Disclosure requirements (Pillar III)</li> </ul>			
8. Credit Risk - Advanced	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Credit Risk - Securitization - Basel II - Securitization     <ul> <li>Standarised Approach</li> <li>3. Credit Risk - Securitization - Basel II - Securitization     <ul> <li>IRB approach</li> </ul> </li> <li>4. Credit Risk - Securitization - Basel II - Securitization     <ul> <li>Operational Requirements</li> </ul> </li> <li>5. Credit Risk - Securitization - Basel II - Supervisory     <ul> <li>review process - securitization</li> </ul> </li> <li>Job Aids</li> </ul></li></ul>			

Audience / Purpose	Learning Path		
9. Operational Risk - Basic	Courses <ol> <li>Basel II - An Overview</li> <li>Operational Risk - Basic Indicator Approach</li> <li>Job Aids</li> </ol>		
10. Operational Risk - Intermediate	Courses          1. Basel II - An Overview         2. Credit Risk - Simplified Standardized Approach         3. IRB systems for Corporate Credit - Data         Maintenance Framework         or         IRB systems for Corporate Credit - Control and         Oversight Mechanisms         4. IRB - Retail - Data Maintenance         or         IRB - Retail - Control and Oversight Mechanisms         5. Operational Risk - AMA - Data Maintenance and Testing		
11. Operational Risk - Advanced	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Operational Risk - Advanced Measurement Approaches</li> <li>3. Operational Risk - Mapping of Business Lines and Loss Event Classification</li> <li>4. Operational Risk - Operational Risk Management - Sound Practices</li> <li>5. Operational Risk - Qualifying Criteria For Operational Risk</li> <li>6. Market discipline - General Considerations (Pillar III)</li> <li>7. Market discipline - Disclosure requirements (Pillar III)</li> <li>Job Aids</li> </ul>		

For more information, please visit:

Audience / Purpose	Learning Path		
	Courses		
12. For Software Developers	<ol> <li>Basel II - An Overview</li> <li>IRB systems for Corporate Credit - Overview</li> <li>IRB systems for Corporate Credit - Ratings for IRB systems</li> <li>IRB systems for Corporate Credit - Quantification of IRB Systems - PD</li> <li>IRB systems for Corporate Credit - Quantification of IRB Systems - LGD</li> <li>IRB systems for Corporate Credit - Quantification of IRB Systems - EAD and Maturity</li> <li>IRB systems for Corporate Credit - Data Maintenance Framework</li> <li>IRB systems for Corporate Credit - Control and Oversight Mechanisms</li> <li>IRB - Retail - Introduction</li> <li>IRB - Retail - Retail Risk Segmentation systems for IRB</li> <li>IRB - Retail - Quantification of IRB Systems-EAD and Maturity</li> <li>IRB - Retail - Quantification of IRB Systems-PD</li> <li>IRB - Retail - Quantification of IRB Systems-LGD</li> <li>IRB - Retail - Quantification of IRB Systems-EAD and Maturity</li> <li>IRB - Retail - Quantification: Special cases</li> <li>IRB - Retail - Data Maintenance</li> <li>IRB - Retail - Data Maintenance</li> <li>IRB - Retail - Control and Oversight Mechanisms</li> <li>Operational Risk - AMA - Introduction and Corporate Governance</li> <li>Operational Risk - AMA - Coperational Risk Management Elements</li> <li>Operational Risk - AMA - Risk Quantification and Mitigation</li> <li>Operational Risk - AMA - Risk Quantification and Mitigation</li> <li>Operational Risk - AMA - Data Maintenance and Testing</li> </ol>		

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Audience / Purpose	Learning Path		
13. Asset Securitization	<ul> <li>Courses</li> <li>1. Basel II - An Overview</li> <li>2. Credit Risk - Securitization - Basel II - Securitization     <ul> <li>Standarised Approach</li> <li>3. Credit Risk - Securitization - Basel II - Securitization</li> <li>IRB approach</li> <li>4. Credit Risk - Securitization - Basel II - Securitization</li> <li>Operational Requirements</li> <li>5. Credit Risk - Securitization - Basel II - Supervisory review process - securitization</li> </ul></li></ul>		
14. For internal auditors	Courses 1. Basel II - An Overview 2. Operational Risk - Standardized Approach Job Aids		

The above are suggested Learning Paths. A delegate can choose any set of courses in the Learning Path. These Learning Paths can be used to make progress from one level to the next, or one competency to the other.

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### 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.

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Phone: +1-858-755-8527

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### AVAILABLE PRODUCTS

### **Product Name**

- 1. Asset Liability Management
- 2. Liquidity Management and Contingency Funding Plan
- 3. Financial Institution Analysis CAMELS Approach
- 4. Financial Mathematics
- 5. Global Banking Supervision
- 6. Capital Adequacy Planning (Basel I)
- 7. Basel II-New Capital Accord
- 8. Basel II-University
- 9. Sarbanes-Oxley Act
- 10. Futures & Forwards
- 11. Swaps
- 12. Options
- 13. Market Risk (Basic Level)
- 14. Market Risk (Intermediate Level)
- 15. Market Risk (Advanced Level)
- 16. Value at Risk
- 17. Credit Analysis
- 18. Credit Ratings
- 19. Counterparty Credit Risk
- 20. Credit Risk Modeling
- 21. Credit Derivatives
- 22. Operational Risk Management
- 23. Asset Securitization
- 24. Asset Liability Management for Insurance Companies
- 25. Anti-Money Laundering
- 26. Financial Privacy
- 27. Corporate Governance
- 28. Money Markets
- 29. Fixed Income Markets
- 30. Equity Markets
- 31. Foreign Exchange Markets
- 32. Foreign Exchange Management
- 33. Treasury Analytics
- 34. Interest Rate Risk Management
- 35. Funding and Investments
- 36. Implementation Treasury Management
- 37. Case Studies Treasury Management
- 38. Understanding Financial Statements
- 39. Budgeting
- 40. Management Accounting
- 41. Financial Accounting
- 42. ePRM Coach
- 43. eFRM Coach

No. of Courses

Library of 28 Courses Library of 14 Courses Library of 8 Courses Library of 7 Courses Library of 15 Courses Library of 7 Courses Library of 8 Courses Library of 63 Courses Library of 12 courses Library of 7 Courses Library of 7 Courses Library of 10 Courses Library of 8 Courses Library of 8 Courses Library of 4 Courses Library of 16 Courses Library of 13 Courses Library of 3 Courses Library of 9 Courses Library of 6 Courses Library of 23 Courses Library of 21 Courses Library of 28 Courses Library of 29 Courses Library of 6 Courses Library of 6 Courses Library of 9 Courses Library of 9 Courses Library of 17 Courses Library of 10 Courses Library of 9 Courses Library of 7 Courses Library of 5 Courses Library of 4 Courses Library of 5 Courses Library of 4 Courses Library of 5 Courses Library of 2 Courses Library of 5 Courses Library of 7 Courses Library of 9 Courses Library of 53 Courses Library of 60 Courses

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## UPCOMING PRODUCTS

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

- Detailed Courses on Bank Branch Management
- Mutual Funds
- Financial Planning
- Trade Finance

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PO Box 910207, San Diego, CA 92191, U.S.A				
7	+1-858-755-8527	D	+1-858-755-6973, +1-858-756-8587	
=	information@kesdee.com,		www.kesdee.com,	
	information@gftt.com		www.gftt.com	
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