

# **C O N T E N T S**

---

FOREWORD vii  
INTRODUCTION ix  
ACKNOWLEDGMENTS xi

## **Chapter 1**

---

Credit, Financial Markets, and Microeconomics 1  
The Role of Debt in the Theory of the Firm 4  
Banking Intermediation Theory 12  
Conclusion 19

## **Chapter 2**

---

External and Internal Ratings 23  
Ratings and External Agencies 24  
Comments and Criticisms about External Ratings 28  
Approaching Credit Risk through Internal Ratings or  
Score-Based Ratings 39  
Conclusion 48

## **Chapter 3**

---

Default Risk: Quantitative Methodologies 63  
Assessing Default Risk Through Structural Models 64  
Credit Scoring 73  
Conclusion 108

## **Chapter 4**

---

Loss Given Default 117  
Some Definitions 118  
What Measure of Recovery Should One Use? 123  
History and Determinants of Recovery Rates 124  
Recovery on Nontraded Debt 136  
The Importance of Stochastic Recovery Rates 138  
Fitting Recovery Functions 139

---

Extracting Recoveries from Security Prices	151
Conclusion	153

### Chapter 5

---

Default Dependencies	167
Sources of Dependencies	168
Correlations and Other Dependency Measures	170
Default Dependencies—Empirical Findings	184
Conclusion	208

### Chapter 6

---

Credit Risk Portfolio Models	213
Credit Risk Portfolio Models: What For?	213
Classes of Models	215
Review of Commercial Models	216
Alternative Approaches	234
Calculating Risk-Adjusted Performance Measures (RAPM)	236
Stress-Testing Portfolio Loss Calculations	248
Conclusion	251

### Chapter 7

---

Credit Risk Management and Strategic Capital Allocation	271
Do Rating Agencies Have a Point of View on Strategic Capital Allocation?	272
What Is Bank Capital Meant For?	273
The Various Static Methodologies to Allocate Equity Capital among Business Units	283
Performance Measurement, the Cost of Capital, and Dynamic Equity Capital Allocation	298
Conclusion	305

### Chapter 8

---

Yield Spreads	309
Corporate Spreads	310
Conclusion	328

---

**Chapter 9**

---

**Structured Products and Credit Derivatives 347**

Credit Derivatives 348

Collateralized Debt Obligations 360

Conclusion 376

---

**Chapter 10**

---

**Regulation 383**

A Brief History of Banking Regulation 384

The Principles of Banking Regulation 386

A Retrospective Look at the 1988 Basel Accord 392

Core Elements of the Second Basel Accord 393

The New Basel Regulation—Its Strengths and Shortcomings 407

Conclusion 413

EPILOGUE 415

NOTES 417

REFERENCES 437

INDEX 453