## **Contents**

CHAPTER 1	
Introduction to Valuation	1
A Philosophical Basis for Valuation	1
Generalities about Valuation	2
The Role of Valuation	6
Conclusion	9
Questions and Short Problems	9
CHAPTER 2	
Approaches to Valuation	11
Discounted Cash Flow Valuation	11
Relative Valuation	19
Contingent Claim Valuation	23
Conclusion	25
Questions and Short Problems	25
CHAPTER 3	
Understanding Financial Statements	27
The Basic Accounting Statements	27
Asset Measurement and Valuation	29
Measuring Financing Mix	36
Measuring Earnings and Profitability	42
Measuring Risk	47
Other Issues in Analyzing Financial Statements	53
Conclusion	55
Questions and Short Problems	55
CHAPTER 4	
The Basics of Risk	58
What is Risk?	58
Equity Risk and Expected Return	59
Alternative Models for Equity Risk	71
A Comparative Analysis of Equity Risk Models	76
Models of Default Risk	77
Conclusion	81
Questions and Short Problems	82
CHAPTER 5	
Option Pricing Theory and Models	87
Basics of Option Pricing	87
Determinants of Option Value	89

Option Pricing Models	90
Extensions of Option Pricing	107
Conclusion	109
Questions and Short Problems	109
·	107
CHAPTER 6	
Market Efficiency—Definition, Tests, and Evidence	111
Market Efficiency and Investment Valuation What Is an Efficient Market?	111
	112
Implications of Market Efficiency	112
Necessary Conditions for Market Efficiency	114
Propositions about Market Efficiency	114
Testing Market Efficiency	116
Cardinal Sins in Testing Market Efficiency	120
Some Lesser Sins That Can Be a Problem	121
Evidence on Market Efficiency	122
Time Series Properties of Price Changes	122
Market Reaction to Information Events	130
Market Anomalies	134
Evidence on Insiders and Investment Professionals	142
Conclusion	149
Questions and Short Problems	150
CHAPTER 7	
Riskless Rates and Risk Premiums	154
The Risk-Free Rate	154
Equity Risk Premium	159
Default Spreads on Bonds	
Conclusion	177
Questions and Short Problems	180
Questions and Short Hobiems	180
Allanara o	
CHAPTER 8	
Estimating Risk Parameters and Costs of Financing	182
The Cost of Equity and Capital	182
Cost of Equity	183
From Cost of Equity to Cost of Capital	210
Best Practices at Firms	221
Conclusion	222
Questions and Short Problems	223
CHAPTER 9	
Measuring Earnings	229
Accounting versus Financial Balance Sheets	· ·
Adjusting Earnings	229
Conclusion	230
Questions and Short Problems	247
Questions and offort Frontems	249

CHAPTER 10	
From Earnings to Cash Flows	250
The Tax Effect	250
Reinvestment Needs	258
Conclusion	268
Questions and Short Problems	269
CHAPTER 11	074
Estimating Growth	271
The Importance of Growth	272
Historical Growth	272
Analyst Estimates of Growth	282
Fundamental Determinants of Growth	285
Qualitative Aspects of Growth	301 302
Conclusion	302
Questions and Short Problems	302
CHAPTER 12	004
Closure in Valuation: Estimating Terminal Value	304
Closure in Valuation The Survival Issue	304
	318 320
Closing Thoughts on Terminal Value Conclusion	320
Questions and Short Problems	321
Questions and Short Problems	321
CHAPTER 13  Physiciand Discount Models	323
Dividend Discount Models	
The General Model	323
Versions of the Model	324 344
Issues in Using the Dividend Discount Model Tests of the Dividend Discount Model	345
Conclusion	348
Questions and Short Problems	349
Questions and Short Froblems	312
CHAPTER 14 Free Cash Flow to Equity Discount Models	351
Measuring What Firms Can Return to Their Stockholders	351
FCFE Valuation Models	357
FCFE Valuation violets FCFE Valuation versus Dividend Discount Model Valuation	372
Conclusion	376
Questions and Short Problems	376
Questions and Short Froblems	370
CHAPTER 15	380
Firm Valuation: Cost of Capital and Adjusted Present Value Approaches  Free Cash flow to the Firm	380
	38:
Firm Valuation: The Cost of Capital Approach	J8.

Firm Valuation: The Adjusted Present Value Approach	398
Effect of Leverage on Firm Value	402
Adjusted Present Value and Financial Leverage	415
Conclusion	419
Questions and Short Problems	419
CHAPTER 16	
Estimating Equity Value per Share	423
Value of Nonoperating Assets	423
Firm Value and Equity Value	440
Management and Employee Options	442
Value per Share When Voting Rights Vary	448
Conclusion	450
Questions and Short Problems	451
CHAPTER 17	
Fundamental Principles of Relative Valuation	453
Use of Relative Valuation	453
Standardized Values and Multiples	454
Four Basic Steps to Using Multiples	456
Reconciling Relative and Discounted Cash Flow Valuations	466
Conclusion	467
Questions and Short Problems	467
CHAPTER 18	
Earnings Multiples	4 <del>6</del> 8
Price-Earnings Ratio	468
The PEG Ratio	487
Other Variants on the PE Ratio	497
Enterprise Value to EBITDA Multiple	500
Conclusion	508
Questions and Short Problems	508
CHAPTER 19	
Book Value Multiples	<b>5</b> 11
Price-to-Book Equity	511
Applications of Price-Book Value Ratios	521
Use in Investment Strategies	530
Value-to-Book Ratios	532
Tobin's Q: Market Value/Replacement Cost	537
Conclusion	539
Questions and Short Problems	539
CHAPTER 20	
Revenue Multiples and Sector-Specific Multiples	542
Revenue Multiples	542
Sector-Specific Multiples	571

Conclusion	577
Questions and Short Problems	577.
CHAPTER 21 Volume Financial Convince Finance	581
Valuing Financial Service Firms	581
Categories of Financial Service Firms	582
What is Unique about Financial Service Firms?	583
General Framework for Valuation Discounted Cash Flow Valuation	584
Asset-Based Valuation	599
Relative Valuation	599 599
Issues in Valuing Financial Service Firms	605
Conclusion	607
Questions and Short Problems	608
CHAPTER 22	044
Valuing Firms with Negative or Abnormal Earnings	611
Negative Earnings: Consequences and Causes	611
Valuing Negative Earnings Firms	615 639
Conclusion	639
Questions and Short Problems	637
CHAPTER 23	
Valuing Young or Start-Up Firms	643
Information Constraints	643
New Paradigms or Old Principles:	
A Life Cycle Perspective	644
Venture Capital Valuation	646
General Framework for Analysis	648
Value Drivers	659
Estimation Noise	661
Implications for Investors	662
Implications for Managers	663
The Expectations Game	663
Conclusion	665
Questions and Short Problems	666
CHAPTER 24	
Valuing Private Firms	667
What Makes Private Firms Different?	667
Estimating Valuation Inputs at Private Firms	668
Valuation Motives and Value Estimates	688
Valuing Venture Capital and Private Equity Stakes	693
Relative Valuation of Private Businesses	695
Conclusion	699
Questions and Short Problems	699

CHAPTER 25	
Aquisitions and Takeovers 70	
Background on Acquisitions 70	
Empirical Evidence on the Value Effects of Takeovers 70	
Steps in an Acquisition 70	
Takeover Valuation: Biases and Common Errors 72	
Structuring the Acquisition 72	
Analyzing Management and Leveraged Buyouts 73	
Conclusion 73	
Questions and Short Problems 73	15
CHAPTER 26	
Valuing Real Estate 73	
Real versus Financial Assets 73	
Discounted Cash Flow Valuation 74	
Comparable/Relative Valuation 75	
Valuing Real Estate Businesses 76 Conclusion 76	
Contractor	
Questions and Short Problems 76	) )
CHAPTER 27	
Eminate Action (1999)	<b>66</b>
	56
1 ton Cum 110 tt	75
rissons with opinion sharabet	77 78
	7 <b>0</b> 79
Questions and Short Problems 77	19
CHAPTER 28	04
III about to both? the remainder or brown and	<b>81</b>
The option to Delay a Troject	81 89
The state of the s	02 96
Titte Tito out of proving	02
Ctild rippidations	02
CONCLUSION	03
Questions and Short Problems 80	03
CHAPTER 29  The Options to Evypoid and to Strondon Valuation Implications	05
the charte to minimum and to the contract and the contrac	05
The option to surpaine	12
White the bipariote of the same to	15
	17
, and of a manufact a sound in a	20
The option to modification	23
7 to be a second of the second	23
Continuo	24

CHAPTER 30	
Valuing Equity in Distressed Firms	826
Equity in Highly Levered Distressed Firms	826
Implications of Viewing Equity as an Option	828
Estimating the Value of Equity as an Option	831
Consequences for Decision Making	836
Conclusion	839
Questions and Short Problems	839
CHAPTER 31	
Value Enhancement: A Discounted Cash Flow Valuation Framework	841
Value-Creating and Value-Neutral Actions	841
Ways of Increasing Value	842
Value Enhancement Chain	859
Closing Thoughts on Value Enhancement	864
Conclusion	865
Questions and Short Problems	865
CHAPTER 32	
Value Enhancement: Economic Value Added, Cash Flow Return on Investment,	869
and Other Tools	870
Economic Value Added Cash Flow Return on Investment	884
	890
A Postscript on Value Enhancement Conclusion	891
Questions and Short Problems	891
CHAPTER 33	
Probabilistic Approaches in Valuation: Scenario Analysis, Decision Trees,	
and Simulations	894
Scenario Analysis	894
Decision Trees	899
Simulations	908
An Overall Assessment of Probabilistic Risk-Assessment Approaches	919
Conclusion	921
Questions and Short Problems	921
CHAPTER 34	
Overview and Conclusion	925
Choices in Valuation Models	925
Which Approach Should You Use?	926
Choosing the Right Discounted Cash Flow Model	929
Choosing the Right Relative Valuation Model	933
When Should You Use the Option Pricing Models?	937
Conclusion	938
References	939
Index	954