

Contents

Foreword by Leo Melamed	ix
Prologue by Terry Duffy	xiii
Acknowledgments	xv
Introduction by Craig S. Donohue	xvii
CHAPTER 1	
Futures Market Fundamentals	1
What Is a Futures Contract?	2
Overview of Popular Financial Futures Contracts	21
Anatomy of a Futures Transaction	35
Conclusion	41
Notes	42
CHAPTER 2	
Order Entry and Execution Methodologies	43
Open Outcry/Pit Trading	44
Introduction of the CME Globex Platform	46
Trade Matching Algorithms	50
About Options Markets	69
Ex-Pit Trading	73
Conclusion	78
Notes	79
CHAPTER 3	
Role of the Clearinghouse	80
Financial Safeguards	81
Financial Surveillance	89
Default by a Clearing Member	91
Resources Backing CME Group Clearing System	95
Customer Protection	95
Disaster Recovery and Business Continuity	96
Rule Enforcement	96

Financial and Regulatory Information Sharing	99
Conclusion	100
CHAPTER 4	
Currency Futures: The First Financial Futures	101
Evolution of Foreign Exchange Marketplace	101
Over-the-Counter Currency Trading Vehicles	106
Exchange-Traded Currency Futures and Options	115
Foreign Exchange Market Growth and Trends	130
Conclusion	135
Notes	136
CHAPTER 5	
Stock Index Futures: The First Financial Futures	137
Mechanics of Stock Index Futures	137
E-Minis versus Exchange-Traded Funds	142
Pricing Stock Index Futures	147
Spreading Stock Index Futures	152
Hedging with Stock Index Futures	158
Portable Alpha Strategies	163
Conclusion	167
Notes	168
CHAPTER 6	
Eurodollar Futures: Interest Rate Market Building Blocks	169
Eurodollar Futures Market	169
Speculating on Shape of Yield Curve	180
Term Treasury/Eurodollar (TED) Spreads with Futures and Options	184
Interest Rate Swap Market	194
Growing Up Together	202
Pricing Relationship	205
Hedging Techniques	208
Conclusion	215
Technical Appendix: Complications and Shortcuts for Pricing and Hedging Swaps	216
Notes	229
CHAPTER 7	
Understanding U.S. Treasury Futures	231
Coupon-Bearing Treasury Securities	231
Treasury Futures Delivery Practices	238

Measuring Risk of Coupon-Bearing Securities	252
Risk Management with Treasury Futures	254
Macro Hedging with Treasury Futures	262
Hedging Corporates with Treasury Futures	266
Trading the Yield Curve with Treasury Futures	269
Conclusion	276
Notes	277
CHAPTER 8	
Commodities: Backbone of the Futures Industry	279
What Are Commodities?	280
Grain Markets	293
Livestock Markets	299
Energy Products	315
Precious Metals	327
The Forward Curve	331
Intermarket Commodity Spreading	342
ClearPort Over-the-Counter Clearing Facility	347
Conclusion	350
Appendix: Major Commodity Market Specifications	351
CHAPTER 9	
Alternative Investment Market Fundamentals	368
Weather	369
Residential Housing Futures	379
Economic Indicators	397
Conclusion	399
Notes	400
CHAPTER 10	
Fundamental Market Indicators	401
Why These Indicators?	402
Trading Volumes	404
Volatility: Daily Net Change	407
Volatility: Daily High-Low Range	408
Conclusions	412
Appendix: Economic Indicator Descriptions	412
Notes	414
CHAPTER 11	
Technical Analysis Primer	416
Why Technical Analysis?	416

Interpreting Charts	422
Elliott Wave Theory	443
Intraday Trading Techniques	455
Trend-Following Systems	459
Conclusion	471
CHAPTER 12	
Fundamentals of Option Markets	472
What Is an Option?	472
Mathematical Option Pricing Models	481
Historic and Implied Volatilities	494
Measuring Option Performance	504
Conclusion	513
CHAPTER 13	
Option Trading Strategies	515
Option Spreads	515
Horizontal Spreads	526
Diagonal Spreads	532
Comparing Verticals, Horizontals, and Diagonals	537
Weighted Spreads	538
Volatility-Driven Strategies	544
Specialty Option Strategies	560
Matching Strategy and Forecast	565
Conclusion	566
CHAPTER 14	
Hedging with Options	568
Baseline Futures Hedge	568
Buying Protection with Puts	569
Yield Enhancement with Calls	572
In- and Out-of-the-Money Options	575
Matching Strategy with Forecast	577
Collar Strategy	578
Delta-Neutral Hedge	579
Conclusion	581
About the Authors and Contributors	583
Index	587