

Contents

PART ONE

Foundations of International Financial Management

CHAPTER 1 Globalization and the Multinational Firm, 4

What's Special about International Finance?, 5
Foreign Exchange and Political Risks, 5
Market Imperfections, 6
Expanded Opportunity Set, 7
Goals for International Financial
Management, 8
Globalization of the World Economy:
Major Trends and Developments, 10
*Emergence of Globalized Financial
Markets, 10*
*Emergence of the Euro as a Global
Currency, 11*
*Europe's Sovereign Debt Crisis
of 2010, 12*

*Trade Liberalization and Economic
Integration, 13*
Privatization, 15
*Global Financial Crisis of
2008–2009, 16*

Multinational Corporations, 18

INTERNATIONAL FINANCE IN PRACTICE:
Multinationals More Efficient, 19
Summary, 21

MINI CASE: Fuji Xerox, 23

APPENDIX 1A: Gain from Trade: The Theory
of Comparative Advantage, 25

CHAPTER 2 International Monetary System, 27

Evolution of the International Monetary
System, 27
Bimetallism: Before 1875, 28
Classical Gold Standard: 1875–1914, 28
Interwar Period: 1915–1944, 30
Bretton Woods System: 1945–1972, 31
The Flexible Exchange Rate
Regime: 1973–Present, 34
The Current Exchange Rate Arrangements, 36
European Monetary System, 40
The Euro and the European Monetary
Union, 43
A Brief History of the Euro, 43
*What Are the Benefits of Monetary
Union?, 44*

Costs of Monetary Union, 46
*Prospects of the Euro: Some Critical
Questions, 47*

INTERNATIONAL FINANCE IN PRACTICE: Mundell
Wins Nobel Prize in Economics, 48

The Mexican Peso Crisis, 48

The Asian Currency Crisis, 51

Origins of the Asian Currency Crisis, 52

Lessons from the Asian Currency Crisis, 53

The Argentine Peso Crisis, 55

Fixed versus Flexible Exchange Rate
Regimes, 56

Summary, 58

MINI CASE: Will the United Kingdom Join the
Euro Club?, 60

CHAPTER 3 Balance of Payments, 62

Balance-of-Payments Accounting, 62
Balance-of-Payments Accounts, 64
The Current Account, 64
The Capital Account, 66
Statistical Discrepancy, 68

Official Reserve Account, 69

The Balance-of-Payments Identity, 72

Balance-of-Payments Trends in Major
Countries, 72

INTERNATIONAL FINANCE IN PRACTICE: A New
Global Reserve?, 74

Summary, 77
MINI CASE: Mexico's Balance-of-Payments Problem, 80

APPENDIX 3A: The Relationship Between Balance of Payments and National Income Accounting, 81

CHAPTER 4 Corporate Governance Around the World, 82

Governance of the Public Corporation:
Key Issues, 83
The Agency Problem, 84
Remedies for the Agency Problem, 86
 Board of Directors, 86
 Incentive Contracts, 87
 Concentrated Ownership, 87
INTERNATIONAL FINANCE IN PRACTICE: The Satyam Scandal, 88
 Accounting Transparency, 89
 Debt, 90
 Overseas Stock Listings, 90
 Market for Corporate Control, 91
Law and Corporate Governance, 92

Consequences of Law, 95
 Ownership and Control Pattern, 95
 Private Benefits of Control, 99
 Capital Markets and Valuation, 99
Corporate Governance Reform, 100
 Objectives of Reform, 100
 Political Dynamics, 101
 The Sarbanes-Oxley Act, 101
 The Cadbury Code of Best Practice, 102
 The Dodd-Frank Act, 103
Summary, 104
MINI CASE: Parmalat: Europe's Enron, 106

PART TWO

The Foreign Exchange Market, Exchange Rate Determination, and Currency Derivatives

CHAPTER 5 The Market for Foreign Exchange, 112

Function and Structure of the FX Market, 113
INTERNATIONAL FINANCE IN PRACTICE: High-Speed FX Trading Provokes Backlash from Banks, 114
 FX Market Participants, 114
 Correspondent Banking Relationships, 116
The Spot Market, 117
 Spot Rate Quotations, 117
INTERNATIONAL FINANCE IN PRACTICE: Where Money Talks Very Loudly, 118
 Cross-Exchange Rate Quotations, 122
 Alternative Expressions for the Cross-Exchange Rate, 123
 The Bid-Ask Spread, 123
 Spot FX Trading, 124
 The Cross-Rate Trading Desk, 125

Triangular Arbitrage, 127
 Spot Foreign Exchange Market Microstructure, 127
The Forward Market, 129
 Forward Rate Quotations, 129
 Long and Short Forward Positions, 130
 Non-Deliverable Forward Contracts, 130
 Forward Cross-Exchange Rates, 130
 Forward Premium, 132
 Swap Transactions, 132
Exchange-Traded Currency Funds, 134
Summary, 135
MINI CASE: Shrewsbury Herbal Products, Ltd., 138

CHAPTER 6 International Parity Relationships and Forecasting Foreign Exchange Rates, 140

Interest Rate Parity, 140
 Covered Interest Arbitrage, 142
 Interest Rate Parity and Exchange Rate Determination, 145
 Currency Carry Trade, 146
 Reasons for Deviations from Interest Rate Parity, 147
Purchasing Power Parity, 149
 PPP Deviations and the Real Exchange Rate, 151
 Evidence on Purchasing Power Parity, 151
INTERNATIONAL FINANCE IN PRACTICE:
McCurrencies, 152

Fisher Effects, 156
Forecasting Exchange Rates, 158
 Efficient Market Approach, 159
 Fundamental Approach, 160
 Technical Approach, 161
 Performance of the Forecasters, 162
Summary, 166
MINI CASE: Turkish Lira and Purchasing Power Parity, 170
APPENDIX 6A: Purchasing Power Parity and Exchange Rate Determination, 172

CHAPTER 7
Futures and Options on
Foreign Exchange, 173

Futures Contracts: Some Preliminaries, 174
Currency Futures Markets, 176
INTERNATIONAL FINANCE IN PRACTICE: FX Market
Volumes Surge, 177
Basic Currency Futures Relationships, 178
Options Contracts: Some Preliminaries, 181
Currency Options Markets, 181
Currency Futures Options, 182

Basic Option-Pricing Relationships at
Expiration, 182
American Option-Pricing Relationships, 185
European Option-Pricing Relationships, 187
Binomial Option-Pricing Model, 189
European Option-Pricing Formula, 191
Empirical Tests of Currency Options, 192
Summary, 193
MINI CASE: The Options Speculator, 195

PART THREE **Foreign Exchange Exposure and Management**

CHAPTER 8
Management
of Transaction
Exposure, 198

Three Types of Exposure, 198
Forward Market Hedge, 200
Money Market Hedge, 202
Options Market Hedge, 203
Hedging Foreign Currency Payables, 205
 Forward Contracts, 206
 Money Market Instruments, 206
 Currency Options Contracts, 207
Cross-Hedging Minor Currency Exposure, 208
Hedging Contingent Exposure, 208
Hedging Recurrent Exposure with Swap
Contracts, 209

Hedging through Invoice Currency, 210
Hedging via Lead and Lag, 210
Exposure Netting, 211
Should the Firm Hedge?, 211
What Risk Management Products Do
Firms Use?, 213
Summary, 214
MINI CASE: Airbus' Yen Exposure, 218
CASE APPLICATION: Richard May's
Options, 218

CHAPTER 9
Management of Economic
Exposure, 225

How to Measure Economic Exposure, 227
Operating Exposure: Definition, 230
Illustration of Operating Exposure, 231
Determinants of Operating Exposure, 233
Managing Operating Exposure, 236
 Selecting Low-Cost Production
 Sites, 236
 Flexible Sourcing Policy, 236
 Diversification of the Market, 237

R&D Efforts and Product Differentiation, 237
Financial Hedging, 237

INTERNATIONAL FINANCE IN PRACTICE: Farmers
Embrace Hedging to Minimise Currency
Risks, 238

CASE APPLICATION: Exchange Risk
Management at Merck, 238
Summary, 241

MINI CASE: Economic Exposure of Albion
Computers PLC, 243

CHAPTER 10
Management
of Translation
Exposure, 245

Translation Methods, 245
 Current/Noncurrent Method, 245
 Monetary/Nonmonetary Method, 246
 Temporal Method, 246
 Current Rate Method, 246
Financial Accounting Standards Board
Statement 8, 247
Financial Accounting Standards Board
Statement 52, 247
 The Mechanics of the FASB 52 Translation
 Process, 250
 Highly Inflationary Economies, 251

International Accounting Standards, 251
CASE APPLICATION: Consolidation of
Accounts according to FASB 52: The Centralia
Corporation, 251
Management of Translation Exposure, 255
 Translation Exposure versus Transaction
 Exposure, 255
 Hedging Translation Exposure, 256
 Balance Sheet Hedge, 256
 Derivatives Hedge, 257
 Translation Exposure versus Operating
 Exposure, 258

PART FOUR World Financial Markets and Institutions

CHAPTER 11 International Banking and Money Market, 264

International Banking Services, 264
The World's Largest Banks, 265
Reasons for International Banking, 266
Types of International Banking Offices, 266
Correspondent Bank, 267
Representative Offices, 267
Foreign Branches, 267
Subsidiary and Affiliate Banks, 268
Edge Act Banks, 268
Offshore Banking Centers, 268
International Banking Facilities, 269
Capital Adequacy Standards, 269
International Money Market, 272
Eurocurrency Market, 272
BBA LIBOR, 274
Eurocredits, 274
INTERNATIONAL FINANCE IN PRACTICE: The Rotten Heart of Finance, 276

Forward Rate Agreements, 276
Euronotes, 279
Eurocommercial Paper, 279
Eurodollar Interest Rate Futures Contracts, 279
International Debt Crisis, 281
History, 282
Debt-for-Equity Swaps, 283
The Solution: Brady Bonds, 284
The Asian Crisis, 285
Global Financial Crisis, 285
The Credit Crunch, 285
Impact of the Financial Crisis, 289
Economic Stimulus, 292
The Aftermath, 293
Summary, 294
MINI CASE: Bank Eins, 299
APPENDIX 11A: Eurocurrency Creation, 301

CHAPTER 12 International Bond Market, 304

The World's Bond Markets: A Statistical Perspective, 304
Foreign Bonds and Eurobonds, 304
Bearer Bonds and Registered Bonds, 305
National Security Regulations, 306
Withholding Taxes, 306
Security Regulations that Ease Bond Issuance, 306
Global Bonds, 307
Types of Instruments, 307
INTERNATIONAL FINANCE IN PRACTICE: SOX and Bonds, 308
Straight Fixed-Rate Issues, 308
Euro-Medium-Term Notes, 308
Floating-Rate Notes, 309

Equity-Related Bonds, 309
Dual-Currency Bonds, 309
Currency Distribution, Nationality, and Type of Issuer, 310
International Bond Market Credit Ratings, 311
INTERNATIONAL FINANCE IN PRACTICE: Heineken Refreshes Euromarket with Spectacular Unrated Bonds, 312
Eurobond Market Structure and Practices, 313
Primary Market, 313
Secondary Market, 318
Clearing Procedures, 318
International Bond Market Indexes, 319
Summary, 321
MINI CASE: Sara Lee Corporation's Eurobonds, 323

CHAPTER 13 International Equity Markets, 324

A Statistical Perspective, 324
Market Capitalization of Developed Countries, 324
Market Capitalization of Developing Countries, 325
Measures of Liquidity, 326
Measures of Market Concentration, 328
Market Structure, Trading Practices, and Costs, 329

Market Consolidations and Mergers, 331
Trading in International Equities, 332
Cross-Listing of Shares, 332
Yankee Stock Offerings, 334
American Depository Receipts, 334
Global Registered Shares, 338
Empirical Findings on Cross-Listing and ADRs, 338

International Equity Market Benchmarks, 340
iShares MSCI, 341

INTERNATIONAL FINANCE IN PRACTICE: Foreign Interest In South Africa Takes Off, 342
Factors Affecting International Equity Returns, 342

Macroeconomic Factors, 343
Exchange Rates, 343
Industrial Structure, 343
Summary, 344
MINI CASE: San Pico's New Stock Exchange, 346

CHAPTER 14
Interest Rate and
Currency Swaps 348

Types of Swaps, 348
INTERNATIONAL FINANCE IN PRACTICE: The World Bank's First Currency Swap, 349
Size of the Swap Market, 349
The Swap Bank, 350
Swap Market Quotations, 350
Interest Rate Swaps, 350
Basic Interest Rate Swap, 350
Pricing the Basic Interest Rate Swap, 353
Currency Swaps, 353
Basic Currency Swap, 353
Equivalency of Currency Swap Debt Service Obligations, 355

Pricing the Basic Currency Swap, 356
A Basic Currency Swap Reconsidered, 357
Variations of Basic Interest Rate and Currency Swaps, 358
Risks of Interest Rate and Currency Swaps, 358
INTERNATIONAL FINANCE IN PRACTICE: Fallout from Greece's Swap, 359
Is the Swap Market Efficient?, 360
Summary, 361
MINI CASE: Groene Stad Ltd.'s Currency Swap, 365

CHAPTER 15
International Portfolio
Investment, 366

International Correlation Structure and Risk Diversification, 367
Optimal International Portfolio Selection, 369
Effects of Changes in the Exchange Rate, 376
International Bond Investment, 378
International Mutual Funds: A Performance Evaluation, 379
International Diversification through Country Funds, 381
International Diversification with ADRs, 384
International Diversification with Exchange-Traded Funds (ETFs), 385

International Diversification with Hedge Funds, 386
Why Home Bias in Portfolio Holdings?, 387
International Diversification with Small-Cap Stocks, 388
Summary, 390
MINI CASE: Solving for the Optimal International Portfolio, 396
APPENDIX 15A: International Investment with Exchange Risk Hedging, 398
APPENDIX 15B: Solving for the Optimal Portfolio, 400

PART FIVE

Financial Management of the Multinational Firm

CHAPTER 16
Foreign Direct Investment
and Cross-Border
Acquisitions, 404

Global Trends in FDI, 405
Why Do Firms Invest Overseas?, 409
Trade Barriers, 409
Imperfect Labor Market, 409
Intangible Assets, 410
Vertical Integration, 411
INTERNATIONAL FINANCE IN PRACTICE: Outsourcing: A Passage Out of India, 412
Product Life Cycle, 412

Shareholder Diversification Services, 413
Cross-Border Mergers and Acquisitions, 413
Political Risk and FDI, 418
Summary, 425
MINI CASE: Enron versus Bombay Politicians, 427

CHAPTER 17
International Capital
Structure and the
Cost of Capital, 431

Cost of Capital, 431
Cost of Capital in Segmented versus Integrated Markets, 432
Does the Cost of Capital Differ among Countries?, 434

CASE APPLICATION: Novo Industri, 436
Cross-Border Listings of Stocks, 438
Capital Asset Pricing under Cross-Listings, 443
The Effect of Foreign Equity Ownership Restrictions, 445

Pricing-to-Market Phenomenon, 446
CASE APPLICATION: Nestlé, 446
Asset Pricing under Foreign Ownership Restrictions, 447

The Financial Structure of Subsidiaries, 449
Summary, 452
APPENDIX 17A: Pricing of Nontradable Assets: Numerical Simulations, 456

CHAPTER 18
International Capital
Budgeting, 457

Review of Domestic Capital Budgeting, 458
The Adjusted Present Value Model, 459
Capital Budgeting from the Parent Firm's Perspective, 461
Generality of the APV Model, 463
Estimating the Future Expected Exchange Rate, 464
CASE APPLICATION: The Centralia Corporation, 464

Risk Adjustment in the Capital Budgeting Analysis, 468
Sensitivity Analysis, 469
Purchasing Power Parity Assumption, 469
Real Options, 469
Summary, 471
MINI CASE 1: Dorchester, Ltd., 473
MINI CASE 2: Benoit S.A., 474

CHAPTER 19
Multinational Cash
Management, 476

The Management of International Cash Balances, 476
CASE APPLICATION: Teltrex's Cash Management System, 476
Bilateral Netting of Internal and External Net Cash Flows, 481
Reduction in Precautionary Cash Balances, 483

Cash Management Systems in Practice, 484
Summary, 485
MINI CASE 1: Efficient Funds Flow at Eastern Trading Company, 486
MINI CASE 2: Eastern Trading Company's New MBA, 486

CHAPTER 20
International Trade
Finance, 487

A Typical Foreign Trade Transaction, 487
Forfaiting, 490
Government Assistance in Exporting, 490
INTERNATIONAL FINANCE IN PRACTICE: First Islamic Forfaiting Fund Set Up, 491
The Export-Import Bank and Affiliated Organizations, 491
Countertrade, 492

Forms of Countertrade, 492
INTERNATIONAL FINANCE IN PRACTICE: Offsets in the Defense Industry, 494
Some Generalizations about Countertrade, 494
Summary, 495
MINI CASE: HiPower, 497

CHAPTER 21
International Tax
Environment and Transfer
Pricing, 498

The Objectives of Taxation, 498
Tax Neutrality, 498
Tax Equity, 499
Types of Taxation, 499
Income Tax, 499
Withholding Tax, 501
Value-Added Tax, 501
National Tax Environments, 503
Worldwide Taxation, 503
Territorial Taxation, 503
Foreign Tax Credits, 504
Organizational Structures, 504
Branch and Subsidiary Income, 504
Tax Havens, 505
Controlled Foreign Corporation, 506
Transfer Pricing and Related Issues, 506

INTERNATIONAL FINANCE IN PRACTICE: On or Off? It's a Matter of Degree, 507
CASE APPLICATION: Mintel Products Transfer Pricing Strategy, 507
INTERNATIONAL FINANCE IN PRACTICE: Transfer Pricing Is the Most Important International Tax Issue, 511
INTERNATIONAL FINANCE IN PRACTICE: Wake Up and Smell the Coffee, 514
Miscellaneous Factors, 514
Advance Pricing Agreement, 515
Blocked Funds, 515
Summary, 516
MINI CASE 1: Telstra Corporation Ltd.'s Location Decision, 518
MINI CASE 2: Eastern Trading Company's Optimal Transfer Pricing Strategy, 519

Glossary, 520

Index, 527