CONTENTS

PREFACE xvii
SELECTED CURRENCIES AND SYMBOLS xix
SYMBOLS AND ACRONYMS xxi

PART 1 THE GLOBAL FINANCIAL MANAGEMENT ENVIRONMENT

1 INTRODUCTION TO INTERNATIONAL FINANCIAL MANAGEMENT 3

1.1 The Rise of the International Company 5
   Evolution of the Multinational Corporation 9
   The Process of Overseas Expansion by Multinationals 18
   A Behavioral Definition of the Multinational Corporation 21
   The Global Manager 24

1.2 The Internationalization of Business and Finance 24
   Political and Labor Union Concerns about Global Competition 25
   Consequences of Global Competition 32

1.3 International Financial Management: Theory and Practice 36
   Criticisms of the International Corporation 37
   Functions of Financial Management 37
   Theme of This Text 38
   Relationship to Domestic Financial Management 38
   The Importance of Total Risk 40
   The Global Financial Marketplace 41
   The Role of the Financial Executive in an Efficient Market 41

1.4 Outline of the Text 42
   The Global Financial Management Environment 42
   Currency and Derivatives Markets 42
   Managing Currency Risks 42
   Financing International Operations 43
   International Capital Budgeting 43
   International Management of Working Capital 43

APPENDIX 1A The Origins and Consequences of International Trade 45
   The Gains from Trade 46
   Specialized Factors of Production 47
   Monetary Prices and Exchange Rates 48
   Tariffs 49
# Exchange Rate Determination

## 2 Setting the Equilibrium Spot Exchange Rate
- Demand for a Currency
- Supply of a Currency
- Factors that Affect the Equilibrium Exchange Rate
- Calculating Exchange Rate Changes

## 2.2 Expectations and the Asset Market Model of Exchange Rates
- The Nature of Money and Currency Values
- Central Bank Reputations and Currency Values

## 2.3 The Fundamentals of Central Bank Intervention
- How Real Exchange Rates Affect Relative Competitiveness
- Foreign Exchange Market Intervention
- The Effects of Foreign Exchange Market Intervention

## 2.4 The Equilibrium Approach to Exchange Rates
- Disequilibrium Theory and Exchange Rate Overshooting
- The Equilibrium Theory of Exchange Rates and Its Implications

## 2.5 Summary and Conclusions

# The International Monetary System

## 3.1 Alternative Exchange Rate Systems
- The Trilemma and Exchange Rate Regime Choice
- Free Float
- Managed Float
- Target-Zone Arrangement
- Fixed-Rate System

## 3.2 A Brief History of the International Monetary System
- The Classical Gold Standard
- How the Classical Gold Standard Worked in Practice: 1821–1914
- The Gold Exchange Standard and Its Aftermath: 1925–1944
- The Bretton Woods System: 1946–1971
- The Post-Bretton Woods System: 1971 to the Present
- Assessment of the Floating-Rate System

## 3.3 The European Monetary System and Monetary Union
- The Exchange-Rate Mechanism
- Lessons from the European Monetary System
- The Currency Crisis of September 1992
- The Exchange Rate Mechanism is Abandoned in August 1993
- European Monetary Union
- Optimum Currency Area
- Lessons from EMU and the Euro
- Exchange Rate Regimes Today

## 3.4 Emerging Market Currency Crises
- Transmission Mechanisms
Origins of Emerging Market Crises 130
Policy Proposals for Dealing with Emerging Market Crises 131
3.5 Summary and Conclusions 132

4 CURRENCIES: EXPECTATIONS, PARITIES, AND FORECASTING 135

4.1 Arbitrage and the Law of One Price 135
4.2 Purchasing Power Parity 138
   The Lesson of Purchasing Power Parity 142
   Expected Inflation and Exchange Rate Changes 144
   The Monetary Approach 145
   Empirical Evidence 145
4.3 The Fisher Effect 147
   Empirical Evidence 149
4.4 The International Fisher Effect 153
   Empirical Evidence 155
4.5 Interest Rate Parity Theory 157
   Empirical Evidence 161
4.6 The Relationship Between the Forward Rate and the Future Spot Rate 162
   Empirical Evidence 164
4.7 Currency Forecasting 165
   Requirements for Successful Currency Forecasting 166
   Market-Based Forecasts 166
   Model-Based Forecasts 168
   Model Evaluation 169
   Forecasting Controlled Exchange Rates 171
4.8 Summary and Conclusions 171

5 THE INTERNATIONAL MONETARY SYSTEM AND THE BALANCE OF PAYMENTS 178

5.1 Balance-of-Payments Categories 179
   Current Account 181
   Capital Account 182
   Financial Account 182
   Balance-of-Payments Measures 183
   The Missing Numbers 184
5.2 The International Flow of Goods, Services, and Capital 184
   Domestic Saving and Investment and the Financial Account 185
   The Link between the Current and Financial Accounts 186
   Government Budget Deficits and Current-Account Deficits 189
   The Current Situation 190
5.3 Coping with the Current-Account Deficit 193
   Currency Depreciation 193
   Protectionism 198
CONTENTS

Ending Foreign Ownership of Domestic Assets 199
Boosting the Saving Rate 199
Adjusting Global Economic Policies 201
Current-Account Deficits and Unemployment 202
The Bottom Line on Current-Account Deficits and Surpluses 202

5.4 Summary and Conclusions 203

6 COUNTRY RISK 208

6.1 Measuring Political Risk 209
   Political Stability 210
   Economic Factors 210
   Subjective Factors 210

6.2 Economic and Political Factors Underlying Country Risk 218
   Fiscal Irresponsibility 219
   Monetary Instability 222
   Controlled Exchange Rate System 223
   Wasteful Government Spending 223
   Resource Base 223
   Country Risk and Adjustment to External Shocks 224
   Market-Oriented Versus Statist Policies 225
   Key Indicators of Country Risk and Economic Health 229

6.3 Country Risk Analysis in International Lending 236
   The Mathematics of Sovereign Debt Analysis 236
   Country Risk and the Terms of Trade 238
   The Government's Cost/Benefit Calculus 239
   Lessons from the International Debt Crisis 242

6.4 Summary and Conclusions 243

PART 2 CURRENCY AND DERIVATIVES MARKETS

7 CURRENCY MARKETS 249

7.1 Organization of the Foreign Exchange Market 250
   The Participants 251
   Size 255

7.2 The Spot Market 257
   Spot Quotations 257
   The Mechanics of Spot Transactions 264

7.3 The Forward Market 265
   Forward Quotations 266
   Forward Contract Maturities 269

7.4 Summary and Conclusions 269
11.4 Calculating Economic Exposure 386
   Spectrum's Accounting Exposure 387
   Spectrum's Economic Exposure 387
11.5 An Operational Measure of Exchange Risk 391
   Limitations 392
11.6 Managing Operating Exposure 393
   Marketing Management of Exchange Risk 394
   Production Management of Exchange Risk 396
   Planning for Exchange Rate Changes 398
   Financial Management of Exchange Risk 400
11.7 Summary and Conclusions 404

PART 4  FINANCING INTERNATIONAL OPERATIONS

12  INTERNATIONAL AND DOMESTIC CAPITAL MARKETS 411

12.1 Corporate Sources and Uses of Funds 412
   Financial Markets versus Financial Intermediaries 412
   Financial Systems and Corporate Governance 413
   Globalization of Financial Markets 416
12.2 Domestic Capital Markets as International Financial Centers 419
   International Financial Markets 422
   Foreign Access to Domestic Markets 423
   Globalization of Financial Markets Has Its Downside 428
12.3 Development Banks 429
   The World Bank Group 430
   Regional and National Development Banks 431
   Regional Development Banks 431
   Private Sector Alternatives 432
12.4 Project Finance 433
12.5 Summary and Conclusions 435

13  INTERNATIONAL FINANCIAL MARKETS 438

13.1 The Eurocurrency Market 438
   Modern Origins 439
   Eurodollar Creation 439
   Eurocurrency Loans 441
   Relationship Between Domestic and Eurocurrency Money Markets 443
   Euromarket Trends 444
13.2 Eurobonds 445
   To be confirmed Swaps 445
   Links Between the Domestic and Eurobond Markets 445
CONTENTS

Rationale for Existence of Eurobond Market  449
Eurobonds versus Eurocurrency Loans  450

13.3 Note Issuance Facilities and Euronotes  451
Note Issuance Facilities versus Eurobonds  453
Euro-Medium-Term Notes  453

13.4 Euro-Commercial Paper  455

13.5 The Asiacurrency Market  456

13.6 Summary and Conclusions  457

14  THE INTERNATIONAL COST OF CAPITAL  459

14.1 The Cost of Equity Capital  460

14.2 The Weighted Average Cost of Capital for Foreign Projects  461

14.3 Discount Rates for Foreign Investments  462
Evidence From the Stock Market  463
Key Issues in Estimating Foreign Project Discount Rates  464
Proxy Companies  465
The Relevant Base Portfolio  466
The Relevant Market Risk Premium  470
Recommendations  471

14.4 The Cost of Debt Capital  471
Annual Exchange Rate Change  472
Using Sovereign Risk Spreads  473

14.5 Establishing a Worldwide Capital Structure  473
Foreign Subsidiary Capital Structure  474
Joint Ventures  479

14.6 Valuing Low-Cost Financing Opportunities  479
Taxes  481
Government Credit and Capital Controls  482
Government Subsidies and Incentives  482

14.7 Summary and Conclusions  484

PART 5  INTERNATIONAL CAPITAL BUDGETING

15  INTERNATIONAL PORTFOLIO INVESTMENT  491

15.1 The Risks and Benefits of International Equity Investing  491
International Diversification  493
Investing in Emerging Markets  501
Barriers to International Diversification  506

15.2 International Bond Investing  509

15.3 Optimal International Asset Allocation  509
APPENDIX 17A  Managing Political Risk  559
Pre-investment Planning  559
Operating Policies  561

PART 6  INTERNATIONAL MANAGEMENT OF WORKING CAPITAL

18  INTERNATIONAL TRADE MANAGEMENT  567

18.1  Payment Terms in International Trade  568
Cash in Advance  568
Documentary Credit  568
Draft  573
Consignment  576
Open Account  576
Banks and Trade Financing  576
Collecting Overdue Accounts  577

18.2  Documents in International Trade  577
Bill of Lading  577
Commercial Invoice  578
Insurance Certificate  578
Consular Invoice  578

18.3  Financing Techniques in International Trade  579
Bankers’ Acceptances  579
Discounting  581
Factoring  581
Forfaiting  582

18.4  Government Sources of Export Financing and Credit Insurance  582
Export Financing  583
Export-Credit Insurance  585
Taking Advantage of Government-Subsidized Export Financing  586

18.5  Countertrade  586

18.6  Summary and Conclusions  589

19  MANAGING WORKING CAPITAL  592

19.1  International Cash Management  593
Organization  593
Collection and Disbursement of Funds  594
Payments Netting in International Cash Management  596
Management of the Short-Term Investment Portfolio  600
Optimal Worldwide Cash Levels  602
Cash Planning and Budgeting  602
Bank Relations  605