Part One Preparing to Invest 1

CHAPTER 1 The Investment Environment 2

ETHICS IN INVESTING
The Price for Behaving Badly

MARKETS IN CRISIS
Your Money Back, Guaranteed

Opening Vignette 2

Investments and the Investment Process 3
Types of Investments 3 / The Structure of the Investment Process 5

Investment Vehicles 7
Short-Term Investments 8 / Common Stock 8 / Fixed-Income Securities 9 / Mutual Funds 10 / Hedge Funds 10
Derivative Securities 10 / Other Popular Investments 11

Making Investment Plans 11
Steps in Investing 11 / Considering Personal Taxes 13
Investing Over the Life Cycle 16 / Investments and the Business Cycle 16

Meeting Liquidity Needs: Investing in Short-Term Vehicles 18
The Role of Short-Term Investments 18 / Popular Short-Term Investments 19 / Investment Suitability 19

Careers in Finance 22
Summary 25 / Discussion Questions 27 / Problems 28 / Case Problems 29 / Excel with Spreadsheets 31

CHAPTER 2 Securities Markets and Transactions 32

MARKETS IN CRISIS
No Time to Go Public

MARKETS IN CRISIS
SEC Bans Short Selling

Opening Vignette 32

Securities Markets 33
Types of Securities Markets 33 / Broker Markets and Dealer Markets 38 / Alternative Trading Systems 43 / General Market Conditions: Bull or Bear 43
Globalization of Securities Markets 44
Growing Importance of International Markets 44 / International Investment Performance 45 / Ways to Invest in Foreign Securities 46 / Risks of Investing Internationally 46

Trading Hours and Regulation of Securities Markets 48
Trading Hours of Securities Markets 48 / Regulation of Securities Markets 48

Basic Types of Securities Transactions 50
Long Purchase 50 / Margin Trading 51 / Short Selling 56

Summary 60 / Discussion Questions 62 / Problems 63 / Case Problems 65 / Excel with Spreadsheets 67

CHAPTER 3

Investment Information and Securities Transactions 68

Opening Vignette 68

Online Investing 69
Getting Started in Online Investing 69 / Pros and Cons of Using the Internet as an Investment Tool 74

Types and Sources of Investment Information 75
Types of Information 77 / Sources of Information 77

Understanding Market Averages and Indexes 88
Stock Market Averages and Indexes 88 / Bond Market Indicators 93

Making Securities Transactions 94
The Role of Stockbrokers 94 / Basic Types of Orders 99
Online Transactions 100 / Transaction Costs 102 / Investor Protection: SIPC and Arbitration 103

Investment Advisers and Investment Clubs 105
Using an Investment Adviser 105 / Investment Clubs 106

Summary 107 / Discussion Questions 110 / Problems 111 / Case Problems 113 / Excel with Spreadsheets 115
# Part Two

## Important Conceptual Tools

### CHAPTER 4

**MARKETS IN CRISIS**

- Recession Pushes Prices Down
  - PAGE 122

**MARKETS IN CRISIS**

- Disappearing Dividends
  - PAGE 134

### Return and Risk

**Opening Vignette** 118

**The Concept of Return** 119
- Components of Return 119 / Why Return Is Important 120
- Level of Return 121 / Historical Returns 122 / Time Value of Money and Returns 123

**Measuring Return** 125
- Real, Risk-Free, and Required Returns 125 / Holding Period Return 126 / Yield: The Internal Rate of Return 128 / Finding Growth Rates 132

**Risk: The Other Side of the Coin** 133
- Sources of Risk 133 / Risk of a Single Asset 136 / Assessing Risk 139 / Steps in the Decision Process: Combining Return and Risk 141

**Summary** 142 / Discussion Questions 143 / Problems 144 / Case Problems 147 / Excel with Spreadsheets 149 / Chapter-Opening Problem 150

### APPENDIX 4A

**The Time Value of Money** 151

**Opening Vignette** 151

**Interest: The Basic Return to Savers** 151
- Simple Interest 151 / Compound Interest 151

**Computational Aids for Use in Time Value Calculations** 153
- Financial Calculators 153 / Computers and Spreadsheets 154

**Future Value: An Extension of Compounding** 154

**Future Value of an Annuity** 155

**Present Value: An Extension of Future Value** 156

**The Present Value of a Stream of Returns** 157
- Present Value of a Mixed Stream 158 / Present Value of an Annuity 159

**Summary** 160 / Problems 160
CHAPTER 5  Modern Portfolio Concepts  164

Opening Vignette 164

Principles of Portfolio Planning 165
  Portfolio Objectives 165 / Portfolio Return and Standard
  Deviation 165 / Correlation and Diversification 167 / Interna
  tional Diversification 172

The Capital Asset Pricing Model (CAPM) 175
  Components of Risk 175 / Beta: A Popular Measure of
  Risk 175 / The CAPM: Using Beta to Estimate Return 178

Traditional Versus Modern Portfolio Management 181
  The Traditional Approach 181 / Modern Portfolio
  Theory 182 / Reconciling the Traditional Approach
  and MPT 187

Summary 188 / Discussion Questions 190 / Problems 191 / Case
  Problems 196 / Excel with Spreadsheets 199 / Chapter-Opening
  Problem 200

CFA Exam Questions 202

Part Three  Investing in Common Stocks  205

CHAPTER 6  Common Stocks  206

Opening Vignette 206

What Stocks Have to Offer 207
  The Appeal of Common Stocks 207 / Putting Stock Price
  Behavior in Perspective 207 / From Stock Prices to Stock
  Returns 208 / A Real Estate Bubble Goes Bust and So Does
  the Market 209 / The Pros and Cons of Stock Ownership 209

Basic Characteristics of Common Stock 212
  Common Stock as a Corporate Security 212 / Buying and
  Selling Stocks 215 / Common Stock Values 217

Common Stock Dividends 218
  The Dividend Decision 219 / Types of Dividends 221 / Dividend
  Reinvestment Plans 222

Types and Uses of Common Stock 223
  Types of Stocks 223 / Investing in Foreign Stocks 229 / Alternative
  Investment Strategies 233

Summary 236 / Discussion Questions 238 / Problems 240 / Case
  Problems 242 / Excel with Spreadsheets 244 / Chapter-Opening
  Problem 245
CHAPTER 7

Analyzing Common Stocks 246
Opening Vignette 246
Security Analysis 247
Economic Analysis 249
  Economic Analysis and the Business Cycle 250 / Key Economic Factors 250 / Developing an Economic Outlook 251
Industry Analysis 254
  Key Issues 254 / Developing an Industry Outlook 256
Fundamental Analysis 258
  The Concept 258 / Financial Statements 259 / Financial Ratios 262 / Interpreting the Numbers 272
Summary 272 / Discussion Questions 278 / Problems 278 / Case Problems 286 / Excel with Spreadsheets 284 / Chapter-Opening Problem 285

CHAPTER 8

Stock Valuation 286
Opening Vignette 286
Valuation: Obtaining a Standard of Performance 287
  Valuing a Company and Its Future 287 / Developing an Estimate of Future Behavior 293 / The Valuation Process 295
Stock Valuation Models 298
  The Dividend Valuation Model 298 / Other Approaches to Stock Valuations 306 / Other Price-Relative Procedures 310
Summary 313 / Discussion Questions 314 / Problems 315 / Case Problems 319 / Excel with Spreadsheets 321 / Chapter-Opening Problem 322

CHAPTER 9

Market Efficiency, Behavioral Finance, and Technical Analysis 323
Opening Vignette 323
Efficient Markets 324
  Levels of Market Efficiency 324 / Market Anomalies 326 / Possible Explanations 328
Behavioral Finance: A Challenge to the Efficient Markets Hypothesis 329
  Investor Behavior and Security Prices 329 / Implications of Behavioral Finance for Security Analysis 334
**CONTENTS**

Technical Analysis 335
- Using Technical Analysis 335 / Measuring the Market 336 /
- The Big Picture 336 / Technical Conditions Within the Market 338 / Trading Rules and Measures 341 / Charting 344

Summary 350 / Discussion Questions 351 / Problems 352 / Case Problems 354 / Excel with Spreadsheets 357

CFA Exam Questions 359

---

**Part Four**

**Investing in Fixed-Income Securities** 361

---

**CHAPTER 10**

**Fixed-Income Securities** 362

*Opening Vignette* 362

*Why Invest in Bonds?* 363
- Putting Bond Market Performance in Perspective 363 / Exposure to Risk 367

*Essential Features of a Bond* 369
- Bond Interest and Principal 369 / Maturity Date 369 / Principles of Bond Price Behavior 370 / Pricing a Bond 371 / Call Features—Let the Buyer Beware! 372 / Sinking Funds 372 / Secured or Unsecured Debt 373 / Bond Ratings 373

*The Market for Debt Securities* 376
- Major Market Segments 377 / Specialty Issues 382 / A Global View of the Bond Market 386

*Convertible Securities* 388
- Convertibles as Investment Outlets 388 / Sources of Value 391 / Measuring the Value of a Convertible 392

*Summary* 395 / Discussion Questions 397 / Problems 398 / Case Problems 400 / Excel with Spreadsheets 402 / Chapter-Opening Problem 403

---

**CHAPTER 11**

**Bond Valuation** 404

*Opening Vignette* 404

*The Behavior of Market Interest Rates* 405
- Keeping Tabs on Market Interest Rates 405 / What Causes Rates to Move? 407 / The Term Structure of Interest Rates and Yield Curves 408
The Pricing of Bonds 413
   The Basic Bond Valuation Model 413 / Annual Compounding 414 / Semiannual Compounding 415

Measures of Yield and Return 416
   Current Yield 416 / Yield-to-Maturity 416 / Yield-to-Call 419
   Expected Return 420 / Valuing a Bond 422

Duration and Immunization 422
   The Concept of Duration 423 / Measuring Duration 424 / Bond Duration and Price Volatility 426 / Effective Duration 427 / Uses of Bond Duration Measures 428

Bond Investment Strategies 430
   Passive Strategies 430 / Trading on Forecasted Interest Rate Behavior 430 / Bond Swaps 431

Summary 432 / Discussion Questions 434 / Problems 434 /
   Case Problems 437 / Excel with Spreadsheets 438

CFA Exam Questions 440

Part Five
   Portfolio Management 443

   CHAPTER 12
   Mutual Funds: Professionally Managed Portfolios 444

   Opening Vignette 444

   The Mutual Fund Concept 445
      An Overview of Mutual Funds 445 / Open- or Closed-End Funds 449 / Exchange-Traded Funds 451 / Some Important Considerations 453 / Other Types of Investment Companies 458

   Types of Funds and Services 460
      Types of Mutual Funds 461 / Investor Services 467

   Investing in Mutual Funds 470
      Investor Uses of Mutual Funds 470 / The Selection Process 471 / Investing in Closed-End Funds 475 / Measuring Performance 477

   Summary 483 / Discussion Questions 484 / Problems 485 /
   Case Problems 488 / Excel with Spreadsheets 490 / Chapter-Opening Problem 490
CHAPTER 13
Managing Your Own Portfolio 491

Opening Vignette 491

Constructing a Portfolio Using an Asset Allocation Scheme 492
- Investor Characteristics and Objectives 492 / Portfolio Objectives and Policies 492 / Developing an Asset Allocation Scheme 493

Evaluating the Performance of Individual Investments 495
- Obtaining Needed Data 496 / Indexes of Investment Performance 496 / Measuring the Performance of Investments 497 / Comparing Performance to Investment Goals 500

Assessing Portfolio Performance 501
- Measuring Portfolio Return 502 / Comparison of Return with Overall Market Measures 505 / Portfolio Revision 508

Timing Transactions 509
- Formula Plans 510 / Using Limit and Stop-Loss Orders 513 / Warehousing Liquidity 514 / Timing Investment Sales 514

Summary 515 / Discussion Questions 517 / Problems 519
Case Problems 523 / Excel with Spreadsheets 525
CFA Exam Questions 527

Part Six
Derivative Securities 529

CHAPTER 14
Options: Puts and Calls 530

Opening Vignette 530

Put and Call Options 531
- Basic Features of Puts and Calls 531 / Options Markets 534 / Stock Options 534

Options Pricing and Trading 537
- The Profit Potential from Puts and Calls 538 / Intrinsic Value 539 / What Drives Options Prices? 541 / Trading Strategies 544

Stock-Index and Other Types of Options 552
- Stock-Index Options: Contract Provisions 552 / Investment Uses 554 / Other Types of Options 555

Summary 558 / Discussion Questions 559 / Problems 560 / Case Problems 562 / Excel with Spreadsheets 564 / Chapter-Opening Problem 565
CHAPTER 15  Commodities and Financial Futures  566

ETHICS IN INVESTING  Trading Energy Futures at Enron  PAGE 577

MARKETS IN CRISIS  Oil Isn’t Recession Proof  PAGE 578

Commodities and Financial Futures  566

Opening Vignette  566

The Futures Market  567
  Market Structure  567 / Trading in the Futures Market  569

Commodities  572
  Basic Characteristics  573 / Trading Commodities  576

Financial Futures  579
  The Financial Futures Market  579 / Trading Techniques  583 / Financial Futures and the Individual Investor  586 / Options on Futures  586

Summary  588 / Discussion Questions  590 / Problems  591 / Case Problems  593 / Excel with Spreadsheets  595

CFA Exam Questions  596

Glossary G-1
Index I-1
Credits C-1

WEB CHAPTERS  (at www.pearsonhighered.com/gitman)
Chapter 16  Investing in Preferred Stocks
Chapter 17  Tax-Advantaged Investments
Chapter 18  Real Estate and Other Tangible Investments