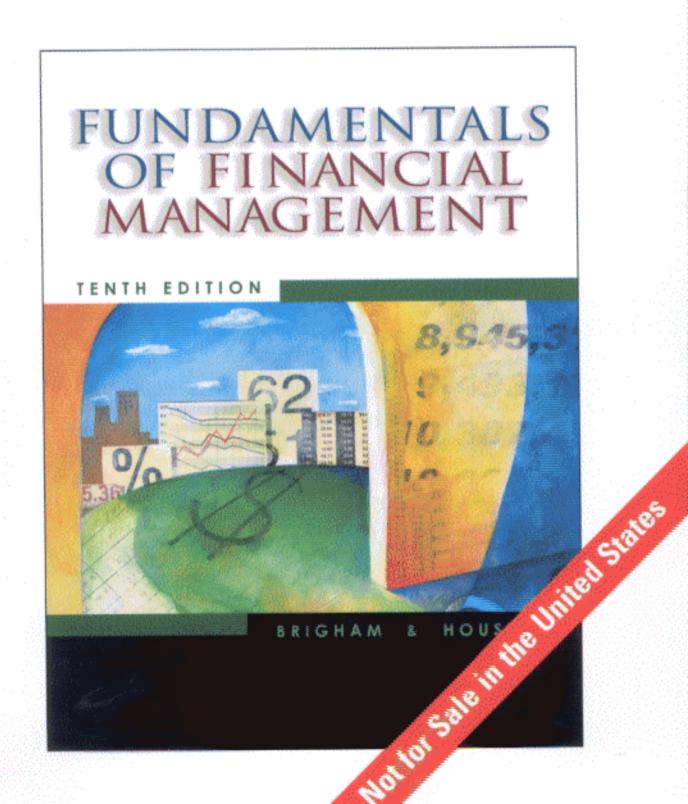
International Student Edition



PREFACE iii

Part 1 INTRODUCTION TO FINANCIAL MANAGEMENT 1

Chapter 1 An Overview of Financial Management 2

Striking the Right Balance 3 Putting Things in Perspective 4 Career Opportunities in Finance 4 Financial Management in the New Millennium 6 Global Perspectives Coke Rides the Global Economy Wave 8 **Technology Matters** Internet Changes the Toy Business 10 Alternative Forms of Business Organization 10 Finance in the Organizational Structure of the Firm 13 The Financial Staff's Responsibilities 14 The Goals of the Corporation 15 **Industry Practice** Investing in Socially Responsible Funds 18 Business Ethics 19 Agency Relationships 20 **Industry Practice** Are CEOs Overpaid? 22 Managerial Actions to Maximize Shareholder Wealth 25 Does It Make Sense to Try to Maximize Earnings per Share? 26 Tying It All Together 27

Financial Statements, Cash Flow, and Taxes 32 Chapter 2

Doing Your Homework with Financial Statements 33 Putting Things in Perspective 34 A Brief History of Accounting and Financial Statements 35 Financial Statements and Reports 36 The Balance Sheet 37 The Income Statement 40 Statement of Retained Earnings 42 **Technology Matters** Financial Analysis on the Internet **Industry Practice** Analysts Are Increasingly Relying on Cash Flow to Value Stocks 44 Net Cash Flow 44 Statement of Cash Flows 46 Modifying Accounting Data for Managerial Decisions 49

MVA and EVA 54
The Federal Income Tax System 57
Cooking the Books 61
Tying It All Together 61
Web Appendix 2A The Federal Income Tax System

Chapter 3 Analysis of Financial Statements 74

Lessons Learned from Enron and WorldCom 75

Putting Things in Perspective 76

Ratio Analysis 77

Liquidity Ratios 77

Asset Management Ratios 79

Debt Management Ratios 82

Profitability Ratios 86

Global Perspectives International Accounting Differences Create Headaches for

Investors 87

Market Value Ratios 89

Trend Analysis 91

Tying the Ratios Together: The Du Pont Equation 91

Comparative Ratios and "Benchmarking" 95

Industry Practice Looking for Warning Signs within the Financial Statements 97

Uses and Limitations of Ratio Analysis 97

Problems with ROE 99

Industry Practice EVA and ROE 100

Looking Beyond the Numbers 101

Tying It All Together 102

Chapter 4 The Financial Environment: Markets, Institutions, and Interest Rates 116

Citigroup Built to Compete in a Changing Environment 117

Putting Things in Perspective 118

The Financial Markets 118

Financial Institutions 123

The Stock Market 127

Technology Matters Online Trading Systems 129

The Cost of Money 130

Industry Practice Measuring the Market 132

Interest Rate Levels 132

The Determinants of Market Interest Rates 137

Industry Practice An Almost Riskless Treasury Bond 142

The Term Structure of Interest Rates 144

What Determines the Shape of the Yield Curve? 145

Using the Yield Curve to Estimate Future Interest Rates 148

Investing Overseas 151

Other Factors That Influence Interest Rate Levels 151

Global Perspectives Measuring Country Risk 152

Interest Rates and Business Decisions 155

Tying It All Together 156

PART 2 FUNDAMENTAL CONCEPTS IN FINANCIAL MANAGEMENT 164

Chapter 5 Risk and Rates of Return 166

No Pain No Gain 167

Putting Things in Perspective 168

Investment Returns 169

Stand-Alone Risk 170

Industry Practice The Trade-Off between Risk and Return 180

Risk in a Portfolio Context 181

Global Perspectives The Benefits of Diversifying Overseas 192

The Relationship between Risk and Rates of Return 195

Industry Practice Has There Been a Shift in the Market Risk Premium? 196

Industry Practice Estimating the Market Risk Premium 200

Physical Assets versus Securities 203

Some Concerns about Beta and the CAPM 204

Volatility versus Risk 205

Tying It All Together 206

Web Appendix 5A Calculating Beta Coefficients

Chapter 6 Time Value of Money 216

Will You Be Able to Retire? 217

Putting Things in Perspective 218

Time Lines 218

Future Value 219

Present Value 224

Industry Practice The Power of Compound Interest 225

Solving for Interest Rate and Time 227

Future Value of an Annuity 229

Present Value of an Annuity 231

Perpetuities 233

Uneven Cash Flow Streams 234

Semiannual and Other Compounding Periods 238

Technology Matters Using the Internet for Personal Financial Planning 239

Comparison of Different Types of Interest Rates 243

Fractional Time Periods 245

Amortized Loans 246

Partial Amortization: Balloon Loans 248

Tying It All Together 248

Web Appendix 6A Using Interest Factor Tables

Web Appendix 6B Continuous Compounding and Discounting

PART 3 FINANCIAL ASSETS 262

Chapter 7 Bonds and Their Valuation 264

Sizing Up the Risks of the Bond Market 265

Putting Things in Perspective 266

Who Issues Bonds? 266

Key Characteristics of Bonds 267
Bond Valuation 271
Bond Yields 277
Global Perspectives Drinking Your Coupons 280
Bonds with Semiannual Coupons 280
Assessing the Riskiness of a Bond 282
Default Risk 286
Bond Markets 294
Tying It All Together 297
Web Appendix 7A Zero Coupon Bonds

Chapter 8 Stocks and Their Valuation 304

Web Appendix 7B Bankruptcy and Reorganization

The Bubble Bursts for Yahoo's Investors Putting Things in Perspective 306 Legal Rights and Privileges of Common Stockholders 306 Types of Common Stock 308 The Market for Common Stock 309 Industry Practice Martha Stewart Takes on the WWF Common Stock Valuation 313 Constant Growth Stocks 316 Expected Rate of Return on a Constant Growth Stock 319 Industry Practice Other Approaches to Valuing Common Stocks 320 Valuing Stocks That Have a Nonconstant Growth Rate 322 Valuing the Entire Corporation 325 Stock Market Equilibrium 330 Industry Practice Evaluating Stocks That Don't Pay Dividends 331 **Technology Matters** A Nation of Traders 338 Actual Stock Prices and Returns Preferred Stock 343 Global Perspectives Investing in Emerging Markets 344 Tying It All Together 345

PART 4 INVESTING IN LONG-TERM ASSETS: CAPITAL BUDGETING 354

Chapter 9 The Cost of Capital 356

Creating Value at GE 357Putting Things in Perspective 358The Logic of the Weighted Average Cost of Capital 359Basic Definitions 359Cost of Debt, $k_d(1-T)$ 360Cost of Preferred Stock, k_p 362Cost of Retained Earnings, k_s 362Industry Practice Funny-Named Preferred-Like Securities 363Cost of New Common Stock, k_e 367Industry Practice How Much Does It Cost to Raise External Capital? 369Composite, or Weighted Average, Cost of Capital, WACC 371

Industry Practice WACC Estimates for Some Large U.S. Corporations 37Factors That Affect the Composite Cost of Capital 373

Global Perspectives Global Variations in the Cost of Capital 374

Adjusting the Cost of Capital for Risk 375

Estimating Project Risk 378

Some Problem Areas in Cost of Capital 379

Tying It All Together 380

Web Appendix 9A Using the CAPM to Estimate the Risk-Adjusted Cost of Capital Web Appendix 9B Techniques for Measuring Beta Risk

Chapter 10 The Basics of Capital Budgeting 388

General Motors Strives to Find the Road to Success 389

Putting Things in Perspective 390

Importance of Capital Budgeting 390

Generating Ideas for Capital Projects 391

Project Classifications 392

Similarities between Capital Budgeting and Security Valuation 393

Capital Budgeting Decision Rules 394

Comparison of the NPV and IRR Methods 402

Modified Internal Rate of Return (MIRR) 408

Conclusions on Capital Budgeting Methods 410

The Post-Audit 411

Industry Practice Techniques Firms Use to Evaluate Corporate Projects 412

Using Capital Budgeting Techniques in Other Contexts 413

Tying It All Together 413

Chapter 11 Cash Flow Estimation and Risk Analysis 422

Home Depot Keeps Growing 423

Putting Things in Perspective 424

Estimating Cash Flows 424

Identifying the Relevant Cash Flows 425

Evaluating Capital Budgeting Projects 429

Introduction to Project Risk Analysis 435

Techniques for Measuring Stand-Alone Risk 436

Global Perspectives Capital Budgeting Practices in the Asia/Pacific Region 441

Project Risk Conclusions 442

Incorporating Project Risk and Capital Structure into Capital Budgeting 442

Tying It All Together 443

Web Appendix 11A Depreciation

Web Appendix 11B Replacement Project Analysis

Web Appendix 11C Refunding Operations

Chapter 12 Other Topics in Capital Budgeting 452

Keeping Your Options Open 453

Putting Things in Perspective 454

Comparing Projects with Unequal Lives 454

Introduction to Real Options 45

Abandonment/Shutdown Options 457

Investment Timing Options 460

Growth Options 462
Flexibility Options 464
The Optimal Capital Budget 465
Tying It All Together 466

PART 5 CAPITAL STRUCTURE AND DIVIDEND POLICY 474

Chapter 13 Capital Structure and Leverage 476

Debt: Rocket Booster or Anchor? 477

Putting Things in Perspective 478

The Target Capital Structure 478

Business and Financial Risk 479

Determining the Optimal Capital Structure 492

Industry Practice Yogi Berra on the M&M Proposition 498

Capital Structure Theory 498

Checklist for Capital Structure Decisions 504

Global Perspectives Taking a Look at Global Capital Structures 507

Variations in Capital Structures 507

Tying It All Together 508

Web Appendix 13A Degree of Leverage

Chapter 14 Distributions to Shareholders: Dividends and Share Repurchases 520

FPL Stuns the Market by Changing Its Dividend Policy 521 Putting Things in Perspective 522 Dividends versus Capital Gains: What Do Investors Prefer? 522 Global Perspectives Dividend Yields Around the World 526 Other Dividend Policy Issues 527 Dividend Stability 529 Establishing the Dividend Policy in Practice 530 Dividend Reinvestment Plans 539 Summary of Factors Influencing Dividend Policy 540 Overview of the Dividend Policy Decision 542 Stock Dividends and Stock Splits 544 Stock Repurchases 546 Industry Practice Stock Repurchases: An Easy Way to Boost Stock Prices? 547 Industry Practice Buybacks Have Lowered Dividend Yields 548 Tying It All Together 552 Web Appendix 14A Illustration of the Three Dividend Policy Theories

PART 6 WORKING CAPITAL MANAGEMENT 560

Chapter 15 Managing Current Assets 562

Best Buy Successfully Manages Its Working Capital 563

Putting Things in Perspective 564

Working Capital Terminology 565

The Cash Conversion Cycle 566 Technology Matters Negative Working Capital Is a Positive Reality for Some Firms 570 The Concept of Zero Working Capital 570 Alternative Current Asset Investment Policies 572 Industry Practice Free Cash Flow, EVA, and Working Capital 574 Cash Management 574 The Cash Budget 576 Cash Management Techniques 581 Marketable Securities 583 Inventory 585 Inventory Costs 587 Industry Practice Supply Chain Management 589 Inventory Control Systems 589 Receivables Management 591 Credit Policy 596 Setting the Credit Period and Standards Setting the Collection Policy 598 Cash Discounts 598 Other Factors Influencing Credit Policy 599 Tying It All Together 599

Chapter 16 Financing Current Assets 610

Sound Working Capital Policy Requires Appropriate Financing 611

Putting Things in Perspective 612

Alternative Current Asset Financing Policies 612

Advantages and Disadvantages of Short-Term Financing 615

Sources of Short-Term Financing 616

Accrued Liabilities 616

Accounts Payable (Trade Credit) 617

Short-Term Bank Loans 622

The Cost of Bank Loans 625

Choosing a Bank 630

Commercial Paper 633

Use of Security in Short-Term Financing 634

Tying It All Together 634

Web Appendix 16A Secured Short-Term Financing

PART 7 SPECIAL TOPICS IN FINANCIAL MANAGEMENT 642

Chapter 17 Financial Planning and Forecasting 644

Forecasting Disney's Future 645 **Putting Things in Perspective** 646

Strategic Plans 647

Operating Plans 649

The Financial Plan 650

Computerized Financial Planning Models 652

Sales Forecasts 653

Financial Statement Forecasting: The Percent of Sales Method 655

The AFN Formula 666

Other Techniques for Forecasting Financial Statements 668

Tying It All Together 671

Web Appendix 17A Arithmetic versus Geometric Averages

Web Appendix 17B Forecasting Financial Requirements When the Balance Sheet

Ratios Are Subject to Change

Chapter 18 Derivatives and Risk Management 682

Using Derivatives to Manage Risk 683

Putting Things in Perspective 684

Reasons to Manage Risk 684

Background on Derivatives 687

Global Perspectives Barings and Sumitomo Suffer Large Losses

in the Derivatives Market 688

Options 689

Industry Practice Expensing Executive Stock Options 694

Introduction to Option Pricing Models 695

The Black-Scholes Option Pricing Model (OPM) 698

Other Types of Derivatives 702

Risk Management 706

Fundamentals of Risk Management 706

Industry Practice Microsoft's Goal: Manage Every Risk! 708

Using Derivatives to Reduce Risks 710

Tying It All Together 717

Chapter 19 Multinational Financial Management 722

U.S. Firms Look Overseas to Enhance Shareholder Value 723

Putting Things in Perspective 724

Multinational or Global Corporations 724

Multinational versus Domestic Financial Management 726

Exchange Rates 728

The International Monetary System 731

Trading in Foreign Exchange 733

Interest Rate Parity 734

Purchasing Power Parity 736

Inflation, Interest Rates, and Exchange Rates 737

Global Perspectives Hungry for a Big Mac? Go to Argentina! 738

International Money and Capital Markets 740

Industry Practice Stock Market Indices Around the World 742

Multinational Capital Budgeting 744

International Capital Structures 746

Multinational Working Capital Management 748

Tying It All Together 751

Chapter 20 Hybrid Financing: Preferred Stock, Leasing, Warrants, and Convertibles 756

Taking A Wild Ride with Amazon's Convertible Debt 757

Putting Things in Perspective 758

Preferred Stock 758

Industry Practice Funny-Named Preferred-Like Securities 762

Leasing 763

Warrants 771

Convertibles 777

Industry Practice Berkshire Hathaway Issues the First Convertible Security with a Negative Coupon 778

A Final Comparison of Warrants and Convertibles 784

Reporting Earnings When Warrants or Convertibles Are Outstanding 785

Tying It All Together 786

Chapter 21 Mergers and Acquisitions 794

AOL and Time Warner Merger Stuns the Financial Markets 795

Putting Things in Perspective 796

Rationale for Mergers 796

Types of Mergers 799

Level of Merger Activity 799

Hostile versus Friendly Takeovers 800

Merger Regulation 801

Merger Analysis 803

Industry Practice When You Merge You Combine More Than Just Financial

Statements 810

Taxes and the Structure of the Takeover Bid 811

Financial Reporting for Mergers 813

Analysis for a "True Consolidation" 816

The Role of Investment Bankers 817

Who Wins: The Empirical Evidence 820

Corporate Alliances 821

Leveraged Buyouts 822

Divestitures 823

Global Perspectives Governments Are Divesting State-Owned Businesses to Spur

Economic Efficiency 825

Tying It All Together 827

Web Appendix 21A Holding Companies

Appendixes

Appendix A Mathematical Tables A-1

Appendix B Solutions to Self-Test Problems A-11

Appendix C Answers to End-of-Chapter Problems A-39

Appendix D Selected Equations and Data A-46

Index I-1