CONTENTS

PART ONE Fundamental Concepts of Managerial Finance 1

CHAPTER 1

The Nature of Finance 3

The Importance of Managerial Finance3Responsibilities of Financial Managers4The Finance Function5Finance in the Organizational Structure of the Firm6TheNature of the Firm8Goals of the Firm9Value Maximization as a Goal12The Changing Role of Financial Management13Organization of This Book17Summary18

CHAPTER 2

Financial Statements and Cash Flows 21

Role of Financial Statements21The Balance Sheet22The Income Statement25Analysis of Cash Flows29Reporting Requirements35International Comparisons ofFinancial Statements37Summary37

Chapter 3

Decisions across Time 43

The Nature of Financial Decisions 43 Future Value 44 Present Value 47 Annuities 51 Present Value of an Annuity 54 Perpetuities 56 Generalization of Noninteger Values of Interest Rates 63 Interrelationships 58 Semiannual and Other Compounding Periods 64 Continuous Compounding and Discounting 66 The Annual Percentage Rate (APR) 68 The Relationship between Discrete and Continuous Interest Rates 69 Summary 69

PART TWO The Environment for Financial Decisions 75

CHAPTER 4

Financial Markets and Market Efficiency 77

The Financial System77The Role of Government81Types of FinancialInstruments83Financial Market Institutions86The Role of the FinancialManager92Market Efficiency93Summary101

CHAPTER 5

Business Organization and Taxes 105

Introduction105Corporate Income Tax106Depreciation111Personal IncomeTax119Choices among Alternative Forms of Business Organization123TaxAspects of the Forms of Organization129Summary132

APPENDIX A TO CHAPTER 5

Depreciation Methods 136

Straight-Line 137 Sum-of-Years'-Digits 137 Units of Production 138 Declining Balance Methods 138

CHAPTER 6

The Interest Rate and the International Financial Environment 143

How the Market Determines Interest Rates and Rates of Return143The Term Structureof Interest Rates145Theoretical Explanations for the Term Structure of InterestRates147Risk and Market Discount Rates153High-Yield Debt159Importance of International Finance161Some Historical Background162Impact ofExchange Rate Fluctuations164Basic Parity Conditions166Summary175

PART THREE Basic Financial Planning and Investment 183

CHAPTER 7

Financial Analysis 185

Introduction185Basic Financial Statements187Financial Ratio Analysis190Performance Measures193Operating Efficiency Measures199Financial PolicyMeasures203Financial Ratios over Time207Sources of Comparative Ratios213Users of Financial Ratios215Some Limitations of Ratio Analysis217Summary218

Appendix A to Chapter 7

Effects of Changing Price Levels 231

Inflation and the Measurement of Profitability231Inflation and Inventory ValuationMethods232Proposals for Accounting Policies to Adjust for Inflation233

.

APPENDIX B TO CHAPTER 7 Financial Ratios in Discriminant Analysis 235

Classification of Observations by Discriminant Analysis 235

CHAPTER 8

Financial Planning and Control 239

Strategy and Financial Management 239 Breakeven Analysis 244 Cash Breakeven Operating Leverage 251 Overall Financial Planning Models 254 Analysis 249 The du Pont System of Financial Planning and Control 257 Forecasting Financial Statements 260 Percent of Sales Method 261 Financial Forecasting Using Regression Computer-Based Financial Methods 266 Calculation of Regression Relationships 268 Planning Models 277 Summary 278

APPENDIX A TO CHAPTER 8

The Normal Distribution 290

Illustrating the Use of Probability Concepts 292 Cumulative Probability 295 Other Distributions 296

Chapter 9

Capital Budgeting under Certainty 299

The Complexity of Capital Budgeting 299 The Strategic Framework for Capital Budgeting Decisions 300 Categories of Capital Budgeting Decisions 302 Evaluation of Capital Budgeting: The Basic Replacement Alternative Ranking Methods 304 Decision 322 Capital Budgeting: An Expansion Project 328 The Impact of Inflation 331 Definition and Measurement of Cash Flows 335 Projects with Different Lives 338 Capital Rationing 341 An Information Feedback System 344 Foreign Investment 344 Summary 346

PART FOUR Decision Making under Uncertainty 355

Chapter 10

Risk and Return: Theory 357

Introduction357Risk and Return: An Individual's Point of View358Risk andReturn: Objects of Choice363Market Equilibrium: The Capital Market Line378Pricing Inefficient Portfolios383Summary391

CHAPTER 11

Risk and Return in Equilibrium: Evidence and Applications 401 Introduction 401 The CAPM and the Security Market Line 403 Applications of the CAPM 406 Empirical Evidence on the Capital Asset Pricing Model 420 The Arbitrage Pricing Theory (APT) 422 Summary 426

CHAPTER 12

Options on Risky Assets 435

Introduction to Options 435Put-Call Parity 440Valuing a Call Option 441Applications of the OPM to Corporate Finance 456Empirical Evidence on theOPM 463The Relationship between the OPM and the CAPM 464Summary 465

CHAPTER 13

Capital Budgeting under Uncertainty 473

The Structure of Decisions473Decision Trees481Using the Capital Asset PricingModel487Options on Assets493Further Developments in Abandonment DecisionRules509Summary510

CHAPTER 14

Managing Financial Risk 517

Types of Risks517Methods of Managing Risks520Portfolio Insurance521Duration525Forward Markets and Forward Contracts533Other Methods forDealing with Foreign Exchange Risks538Futures Markets541Forward versusFutures Rates544Interest Rate Swaps547Methods for Managing Risk549Summary554

PART FIVE Risk and Valuation 563

CHAPTER 15

Financial Structure and the Cost of Capital 565

Financial Leverage565Financial Leverage and Risk567Investment andLeverage575Factors Affecting Financial Structure579Capital Structure and theCost of Capital581The Effects of Bankruptcy Costs595The Effect of AgencyCosts597Information Asymmetry and Signaling600Calculating the Firm's Cost ofCapital606Related Issues614Summary

Appendix A to Chapter 15

The Modigliani-Miller Propositions: Some Extensions 638

Cost of Capital for Finite Lives 638 The MM Propositions with Depreciable Assets 639 The Weighted Average Cost of Capital as a Cutoff Rate 642

Appendix B to Chapter 15

The State-Preference Model 646

Alternative Future States-of-the-World 646 The Concept of a Pure Security 648 Use of the SPM to Determine the Optimal Financial Leverage 649 Implications for Leverage Decisions 653

CHAPTER 16

Dividend Policy 657

Dividend Payments657Factors Influencing Dividend Policy658General DividendPatterns in the Economy661Theories of Dividend Policy665Ingredients forOptimal Dividend Policy671Stock Dividends, Stock Splits, and Repurchases680Summary686

APPENDIX A TO CHAPTER 16 Dividend Policy: Stock Prices and Clientele Effects 694

Dividends and Value 695 Dividend Clientele Effects 698 Summary 701

CHAPTER 17

Value-Based Management 703

Value-Based Management 703 Valuing Companies 713 Formula Approaches for Valuing Companies 715 Spreadsheet Approach for Valuing Companies 720 An Example: W.R. Grace 728 Empirical Results 748 Summary 750

Part Six

Financial Strategies for Working Capital Management 759

Chapter 18

Short-Term Financial Planning and Cash Management 761

Cash Budgets762Cash and Marketable Securities Management767ManagingDisbursements774Electronic Data Interchange777Marketable Securities778Cash Management Models784Miller-Orr Model785Cash Management inInternational Enterprise789Summary790

CHAPTER 19

Receivables and Inventory Management 795

Credit Management Policies 795 Evaluating Changes in Credit Policy 803 Use of Computers in Credit Management 807 Monitoring Receivables Management 808 Theory and Tests of Receivables Management Policies 813 Inventory Management 814 Summary 826

CHAPTER 20

Short-Term Financial Management 835

Risk-Return Trade-Off for Current Asset Investments 836 Financing Current Assets 839 The Costs and Risks of Alternative Debt Maturities 842 Trade Credit 843 Short-Term Financing by Commercial Banks 845 Commercial Paper 850 Bankers' Acceptances 853 Secured Short-Term Financing 854 Accounts Receivable Financing 854 Inventory Financing 859 International Forms and Sources of Short-Term Financing 862 Summary 863

PART SEVEN The Treasurer's Long-Range Financial Strategies 875

Chapter 21

Sources of Long-Term Financing 877

Impact of Mergers, Takeovers, and Corporate Restructuring 877 Overview of Financing Financing Growth Firms 880 Direct Financing 886 Sources 878 Investment Banking 891 Investment Banking Operations 893 Costs of Flotation 898 Going Public and IPOs 901 Use of Rights in Financing 906 Effects on Position of Stockholders 911 Regulation of Security Trading 914 Changes in SEC Rules 916 The Emerging Developments 919 Summary 921

Chapter 22

Common Stock Financing 931

Common Stock Financing 931 Rights of Holders of Common Stock 932 Evaluation of Common Stock as a Source of Funds 939 Choosing among Alternative Forms of Financing 941 Summary 948

Chapter 23

Debt and Preferred Stock Financing 955

Long-Term Debt Financing955Secured Bonds963Unsecured Bonds964Bond Valuation and the Cost of Debt969Decisions on the Use of Debt969TheUse of Preferred Stock in Financing Decisions971Major Provisions of Preferred StockIssues971Refunding Debt or Preferred976Summary977

APPENDIX A TO CHAPTER 23

Refunding Decisions 985

Choosing a Discount Rate for the Bond Refunding Decision 985 Refunding When Interest Rates Have Risen 988 Summary 992

Chapter 24

Lease Financing 995

Types of Leases995Accounting for Leases997The Financing Decision: Leaseversus Borrow1000The Investment Decision1004Alternative ComputationProcedures in the Leasing Analysis1005Cost Comparison for Operating Leases1008Additional Influences on the Leasing versus Owning Decision1008Summary1013

Chapter 25

Warrants and Convertibles 1019

Warrants 1019 Convertibles 1024 The Valuation of Callable-Convertible Bonds 1030 Call Policy on Convertible Bonds 1037 Summary 1041

CHAPTER 26

Pension Fund Management 1049

Pension Plan Overview: Historical Data and Financial Statements 1049 Pension Fund Regulations: ERISA, FASB 36, and the IRS 1053 Managerial Decisions 1056 Changing the Actuarial Assumptions 1057 The Mix of Pension Plan Assets 1059 Measuring Pension Plan Portfolio Performance 1067 Voluntary Termination of Defined Benefit Pension Plans 1071 Insurance Company Contracts 1072 Summary 1072

PART EIGHT Dynamic Strategies for Increasing Value 1077

Chapter 27

Mergers and Acquisitions, Restructuring, and Corporate Control 1079
Mergers and Takeovers 1079 The Merger Movement of the Eighties 1082 Theories of Restructuring 1084 Forms of Restructuring and Their Results 1093 Merger Defenses 1103 Holding Companies 1106 Traditional Approaches to Acquisition Prices 1111 Managerial Policies in a Valuation Framework 1117 Summary 1122

Appendix A to Chapter 27

Financial Accounting for Mergers 1134

Financial Treatment of a Purchase1135Treatment of Goodwill1138FinancialTreatment of Pooling of Interests1139

CHAPTER 28

Financial Distress 1143

Introduction1144The Nature of Financial Distress1145Extension andComposition1148Federal Bankruptcy Laws1150The ReorganizationProcess1154The Absolute Priority Doctrine1156Economic Issues1159Models of Reorganization1164Liquidation1170Bankruptcy Prediction1173Summary11741174117411741170

APPENDIX A Interest Tables A-1

APPENDIX B Natural Logarithms B-1

APPENDIX C Accelerated Depreciation Factors C-1

APPENDIX D Table of Areas under the Normal Curve D-1

Appendix E Answers to End-of-Chapter Problems E-1

AUTHOR INDEX I-1

SUBJECT INDEX 1-6