Foundations of Finance
The Logic and Practice of Financial Management

Tenth Edition

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Pearson
To my parents, from whom I learned the most.
Arthur J. Keown

To the Martin women—wife Sally and daughter-in-law Mel, the Martin men—sons Dave and Jess, and the Martin boys—grandsons Luke and Burke.
John D. Martin

To Carter and Greg, who are great husbands to our lovely daughters, Krista and Kate, and the fathers of our five wonderful grandchildren—Ashley, Cameron, Erin, John, and Mackenzie.
We feel their constant love and friendship.
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About the Authors

Arthur J. Keown is the Department Head and R. B. Pamplin Professor of Finance at Virginia Polytechnic Institute and State University. He received his bachelor’s degree from Ohio Wesleyan University, his M.B.A. from the University of Michigan, and his doctorate from Indiana University. An award-winning teacher, he is a member of the Academy of Teaching Excellence; has received five Certificates of Teaching Excellence at Virginia Tech, the W. E. Wine Award for Teaching Excellence, and the Alumni Teaching Excellence Award; and in 1999 received the Outstanding Faculty Award from the State of Virginia. Professor Keown is widely published in academic journals. His work has appeared in the Journal of Finance, Journal of Financial Economics, Journal of Financial and Quantitative Analysis, Journal of Financial Research, Journal of Banking and Finance, Financial Management, Journal of Portfolio Management, and many others. In addition to Foundations of Finance, two others of his books are widely used in college finance classes all over the country—Basic Financial Management and Personal Finance: Turning Money into Wealth. Professor Keown is a Fellow of the Decision Sciences Institute, was a member of the Board of Directors of the Financial Management Association, and is the head of the finance department at Virginia Tech. In addition, he served as the co-editor of the Journal of Financial Research for 6 ½ years and as the co-editor of the Financial Management Association’s Survey and Synthesis series for 6 years. He lives with his wife in Blacksburg, Virginia, where he collects original art from Mad Magazine.

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Brief Contents

Preface xvii

PART 1 The Scope and Environment of Financial Management 2
1 An Introduction to the Foundations of Financial Management 2
2 The Financial Markets and Interest Rates 22
3 Understanding Financial Statements and Cash Flows 54
4 Evaluating a Firm’s Financial Performance 100

PART 2 The Valuation of Financial Assets 142
5 The Time Value of Money 142
6 The Meaning and Measurement of Risk and Return 186
7 The Valuation and Characteristics of Bonds 226
8 The Valuation and Characteristics of Stock 258
9 The Cost of Capital 284

PART 3 Investment in Long-Term Assets 318
10 Capital-Budgeting Techniques and Practice 318
11 Cash Flows and Other Topics in Capital Budgeting 358

PART 4 Capital Structure and Dividend Policy 398
12 Determining the Financing Mix 398
13 Dividend Policy and Internal Financing 438

PART 5 Working-Capital Management and International Business Finance 460
14 Short-Term Financial Planning 460
15 Working-Capital Management 480
16 International Business Finance 510

Web 17 Cash, Receivables, and Inventory Management
Available online at www.pearson.com/mylab/finance
Web Appendix A Using a Calculator
Available online at www.pearson.com/mylab/finance

Glossary 532
Indexes 541
Contents

Preface xvii

PART 1
The Scope and Environment of Financial Management 2

1 An Introduction to the Foundations of Financial Management 2

The Goal of the Firm 3

Five Principles That Form the Foundations of Finance 4

Principle 1: Cash Flow Is What Matters 4
Principle 2: Money Has a Time Value 5
Principle 3: Risk Requires a Reward 5
Principle 4: Market Prices Are Generally Right 6
Principle 5: Conflicts of Interest Cause Agency Problems 8

The Essential Elements of Ethics and Trust 9

The Role of Finance in Business 10

Why Study Finance? 11
The Role of the Financial Manager 11

The Legal Forms of Business Organization 12

Sole Proprietorships 12
Partnerships 13
Corporations 13
Organizational Form and Taxes: The Double Taxation on Dividends and Pass-Through Entities 14
S-Corporations and Limited Liability Companies (LLCs) 14
Which Organizational Form Should Be Chosen? 15

Finance and the Multinational Firm: The New Role 15

Developing Skills for Your Career 16

Chapter Summaries 17 • Review Questions 20 • Mini Case 21

2 The Financial Markets and Interest Rates 22

Financing of Business: The Movement of Funds Through the Economy 24

Public Offerings Versus Private Placements 25
Primary Markets Versus Secondary Markets 26
The Money Market Versus the Capital Market 27
Spot Markets Versus Futures Markets 27
Stock Exchanges: Organized Security Exchanges Versus Over-the-Counter Markets, a Blurring Difference 27

Selling Securities to the Public 29

Functions 29
Distribution Methods 30
Private Debt Placements 31
Flotation Costs 33
Regulation Aimed at Making the Goal of the Firm Work: The Sarbanes-Oxley Act 33

Rates of Return in the Financial Markets 34

Rates of Return over Long Periods 34
Interest Rate Levels in Recent Periods 35
3 Understanding Financial Statements and Cash Flows 54

The Income Statement 56
The Makeup of an Income Statement 56
Walmart's Income Statement 57
Restating Walmart's Income Statement 59

The Balance Sheet 61
Types of Assets 62
Types of Financing 63
Walmart's Balance Sheet 65
Working Capital 66

Measuring Cash Flows 69
Profits Versus Cash Flows 69
The Beginning Point: Changes in the Balance Sheet and Cash Flows 70
Statement of Cash Flows 71
Concluding Suggestions for Computing Cash Flows 78
What Have We Learned about Walmart? 79

The Limitations of Financial Statements and Accounting Malpractice 80

Appendix 3A: Free Cash Flows 94
Computing Free Cash Flows 94
Computing Financing Cash Flows 96

Study Problems 97

4 Evaluating a Firm's Financial Performance 100

The Purpose of Financial Analysis 100

Measuring Key Financial Relationships 103
Question 1: How Liquid Is the Firm—Can It Pay Its Bills? 105
Question 2: Are the Firm's Managers Generating Adequate Operating Profits on the Company's Assets? 110
Managing Operations 112
Managing Assets 112
Question 4: Are the Firm's Managers Providing a Good Return on the Capital Provided by the Company's Shareholders? 120
Question 5: Are the Firm's Managers Creating Shareholder Value? 124

The Limitations of Financial Ratio Analysis 129

Chapter Summaries 130 • Review Questions 133 • Study Problems 133
• Mini Case 140
Contents

Indenture 231
Bond Ratings 231
Defining Value 232
What Determines Value? 234
Valuation: The Basic Process 235
Valuing Bonds 236
Bond Yields 242
Yield to Maturity 242
Current Yield 244
Bond Valuation: Three Important Relationships 245

Chapter Summaries 250 • Review Questions 253 • Study Problems 254
• Mini Case 257

8 The Valuation and Characteristics of Stock 258
Preferred Stock 260
The Characteristics of Preferred Stock 260
Valuing Preferred Stock 261
Common Stock 265
The Characteristics of Common Stock 265
Valuing Common Stock 267
The Expected Rate of Return of Stockholders 272
The Expected Rate of Return of Preferred Stockholders 273
The Expected Rate of Return of Common Stockholders 274

Chapter Summaries 277 • Review Questions 280 • Study Problems 280
• Mini Case 283

9 The Cost of Capital 284
The Cost of Capital: Key Definitions and Concepts 285
Capital Structure 285
Opportunity Costs, Required Rates of Return, and the Cost of Capital 286
The Firm's Financial Policy and the Cost of Capital 287
Determining the Costs of the Individual Sources of Capital 288
The Cost of Debt 288
The Cost of Preferred Stock 291
The Cost of Common Equity 292
The Dividend Growth Model and the Implied Cost of Equity 293
Issues in Implementing the Dividend Growth Model 294
The Capital Asset Pricing Model 295
Issues in Implementing the CAPM 296
The Weighted Average Cost of Capital 298
Capital Structure Weights 298
Calculating the Weighted Average Cost of Capital 299
Calculating Divisional Costs of Capital 301
Estimating Divisional Costs of Capital 301
Using Pure Play Firms to Estimate Divisional WACCs 301
Using a Firm's Cost of Capital to Evaluate New Capital Investments 305

Chapter Summaries 307 • Review Questions 310 • Study Problems 310
• Mini Cases 316
PART 3  Investment in Long-Term Assets  318

10  Capital-Budgeting Techniques and Practice  318

Finding Profitable Projects  319
Capital-Budgeting Decision Criteria  320
- The Payback Period  320
- The Net Present Value  324
- Using Spreadsheets to Calculate the Net Present Value  327
- The Profitability Index (Benefit–Cost Ratio)  327
- The Internal Rate of Return  330
- Computing the IRR for Uneven Cash Flows with a Financial Calculator  332
- Viewing the NPV–IRR Relationship: The Net Present Value Profile  333
- Complications with the IRR: Multiple Rates of Return  334
- The Modified Internal Rate of Return (MIRR)  335
- Using Spreadsheets to Calculate the MIRR  338
- A Last Word on the MIRR  339

Capital Rationing  339
- The Rationale for Capital Rationing  340
- Capital Rationing and Project Selection  341

Ranking Mutually Exclusive Projects  341
- The Size-Disparity Problem  342
- The Unequal-Lives Problem  343

Chapter Summaries  346 • Review Questions  349 • Study Problems  350
- Mini Case  356

11  Cash Flows and Other Topics in Capital Budgeting  358

Guidelines for Capital Budgeting  359
- Use Free Cash Flows Rather Than Accounting Profits  359
- Think Incrementally  359
- Beware of Cash Flows Diverted from Existing Products  360
- Look for Incidental or Synergistic Effects  360
- Work in Working-Capital Requirements  360
- Consider Incremental Expenses  361
- Remember That Sunk Costs Are Not Incremental Cash Flows  361
- Account for Opportunity Costs  361
- Decide If Overhead Costs Are Truly Incremental Cash Flows  361
- Ignore Interest Payments and Financing Flows  362

Calculating a Project’s Free Cash Flows  362
- What Goes into the Initial Outlay  362
- What Goes into the Annual Free Cash Flows over the Project’s Life  363
- What Goes into the Terminal Cash Flow  365
- Calculating the Free Cash Flows  366
- A Comprehensive Example: Calculating Free Cash Flows  370

Options in Capital Budgeting  374
- The Option to Delay a Project  374
- The Option to Expand a Project  375
- The Option to Abandon a Project  376
- Options in Capital Budgeting: The Bottom Line  376

Risk and the Investment Decision  376
- What Measure of Risk Is Relevant in Capital Budgeting?  377
- Measuring Risk for Capital-Budgeting Purposes with a Dose of Reality—Is Systematic Risk All There Is?  378
- Incorporating Risk into Capital Budgeting  379
- Risk-Adjusted Discount Rates  379
- Measuring a Project’s Systematic Risk  382
## Contents

<table>
<thead>
<tr>
<th>Chapter Summaries</th>
<th>Review Questions</th>
<th>Study Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>386</td>
<td>388</td>
<td>388</td>
</tr>
<tr>
<td>• Mini Case</td>
<td>394</td>
<td></td>
</tr>
</tbody>
</table>

**Appendix 11A: The Modified Accelerated Cost Recovery System** 396

**What Does All This Mean?** 397

**Study Problems** 397

### PART 4 Capital Structure and Dividend Policy 398

#### 12 Determining the Financing Mix 398

- **Understanding the Difference Between Business and Financial Risk** 400
  - Business Risk 401
  - Operating Risk 401
- **Break-Even Analysis** 401
  - Essential Elements of the Break-Even Model 402
  - Finding the Break-Even Point 404
  - The Break-Even Point in Sales Dollars 405
- **Sources of Operating Leverage** 406
  - Financial Leverage 408
  - Combining Operating and Financial Leverage 410
- **Capital Structure Theory** 412
  - A Quick Look at Capital Structure Theory 414
  - The Importance of Capital Structure 414
  - Independence Position 414
  - The Moderate Position 416
  - Firm Value and Agency Costs 418
  - Agency Costs, Free Cash Flow, and Capital Structure 420
  - Managerial Implications 420
- **The Basic Tools of Capital Structure Management** 421
  - EBIT-EPS Analysis 421
  - Comparative Leverage Ratios 424
  - Industry Norms 425
  - Net Debt and Balance-Sheet Leverage Ratios 425
  - A Glance at Actual Capital Structure Management 425
- **Chapter Summaries** 428 • Review Questions 431 • Study Problems 432 • Mini Cases 434

#### 13 Dividend Policy and Internal Financing 438

- **How do Firms Distribute Firm Profits to their Stockholders?** 439
- **Does Dividend Policy Matter to Stockholders?** 440
  - Three Basic Views 440
  - Making Sense of Dividend Policy Theory 442
  - What Are We to Conclude? 445
- **The Dividend Decision in Practice** 446
  - Legal Restrictions 446
  - Liquidity Constraints 446
  - Earnings Predictability 446
16 International Business Finance 510

The Globalization of Product and Financial Markets 511

Foreign Exchange Markets and Currency Exchange Rates 512

Foreign Exchange Rates 513
What a Change in the Exchange Rate Means for Business 513
Exchange Rates and Arbitrage 516
Asked and Bid Rates 516
Cross Rates 517
Types of Foreign Exchange Transactions 518
Exchange Rate Risk 520

Interest Rate Parity 522

Purchasing-Power Parity and the Law of One Price 523
The International Fisher Effect 524

Capital Budgeting for Direct Foreign Investment 524
Repatriation of Profits and Taxation of Profits Abroad 525
Foreign Investment Risks 525

Chapter Summaries 526 • Review Questions 529 • Study Problems 529
• Mini Case 530

Web 17 Cash, Receivables, and Inventory Management

Available online at www.pearson.com/mylab/finance

Web Appendix A Using a Calculator

Available online at www.pearson.com/mylab/finance

Glossary 532
Indexes 541
Preface

The study of finance focuses on making decisions that enhance the value of the firm. This is done by providing customers with the best products and services in a cost-effective way. In a sense we, the authors of Foundations of Finance, share the same purpose. We have tried to create a product that provides value to our customers—both students and instructors who use the text. It was this priority that led us to write Foundations of Finance: The Logic and Practice of Financial Management, which was the first “shortened book” of financial management when it was originally published. This text launched a trend that has since been followed by all the major competing texts in this market. The text broke new ground not only by reducing the breadth of materials covered but also by employing a more intuitive approach to presenting new material. From that first edition, the text has met with success beyond our expectations for nine editions. For that success, we are eternally grateful to the multitude of finance instructors who have chosen to use the text in their classrooms.

New to the Tenth Edition

Many of the changes in the 10th edition stem from comments and suggestions made by adopters, and we thank them for all they have done to improve this edition. Other changes were inspired by the passage of the Tax Cuts and Jobs Act of 2017. This new law brought sweeping changes to corporate taxes. Some of the tax changes that that will impact corporate finance decisions include a dramatic reduction in the corporate tax rate, the ability to depreciate the full purchase price of capital investments in the year the investment is put into service, a limitation on the tax deductibility of interest payments, and a change in the taxation of foreign profits. Needless to say, the impact of these tax changes ripple throughout the book. For example, corporate decision making, with respect to new investments in new projects and how those projects are financed, are impacted by the new tax law.

In addition to the integration of the new tax law throughout the book, we have made some chapter-by-chapter updates in response to the continued development of financial thought and reviewer comments. By chapter, some of these changes include:

Chapter 1
An Introduction to the Foundations of Financial Management
◆ Revised and updated chapter introduction
◆ Revised and updated section on the Organizational Form and Taxes to include changes resulting from the new tax laws and changes to pass-through entities

Chapter 2
The Financial Markets and Interest Rates
◆ Revised and updated chapter introduction
◆ Revised coverage to include recent changes in the financial markets
◆ Updated coverage of the term structure of interest rates to address the very low rates that characterize today’s markets
Chapter 3
Understanding Financial Statements and Cash Flows
◆ Streamlined bullet point presentations that can be reviewed by the reader to quickly grasp new concepts
◆ Updated to illustrate the principles of financial statements, using a company that will be of interest to students—Walmart
◆ Rather than merely present Walmart’s financial statements in isolation, background material is provided about Walmart that will give context to the company’s financials

Chapter 4
Evaluating a Firm’s Financial Performance
◆ Streamlined chapter presentation makes it easier for the reader to review the process used in conducting the analysis
◆ Comparative financial performance analysis provided using retail giants Walmart and Target

Chapter 5
The Time Value of Money
◆ Revised to make the subject matter more accessible to all students regardless of their level of mathematical skill
◆ Expanded problem set

Chapter 6
The Meaning and Measurement of Risk and Return
◆ Provides an examination of average rates of return and the variability of the returns for different types of securities, such as government bonds, corporate bonds and stock for 90 years, from 1926 to 2016
◆ Updated to show examples of firms like Nike and eBay, which clearly illustrate the chapter concepts.
◆ Includes a new mini-case highlighting Walmart and Target

Chapter 7
The Valuation and Characteristics of Bonds
◆ Provides additional real-world examples
◆ A new Finance at Work feature describes a bond issued by Apple called a green bond

Chapter 8
The Valuation and Characteristics of Stock
◆ Revised to describe the events leading to Netflix becoming one of the most highly valued stocks in the marketplace
◆ The Finance at Work box has been revised on reading stock quotes in the Wall Street Journal
◆ Includes updated chapter examples

Chapter 9
The Cost of Capital
◆ All illustrative examples have been updated to reflect changed financial conditions
◆ Includes an updated discussion of tax considerations to reflect the 2017 revision to the U.S. tax code, which imposes a maximum corporate tax rate of 21 percent
◆ New Finance at Work insert discusses the new tax law and limitations to the de-
ductibility of interest expense to a maximum of 30 percent of firm earnings before
interest and taxes plus depreciation and amortization (EBITDA)
◆ Figure revision illustrates the dramatic differences in capital structures used by
firms in very different types of industries to reflect the current capital structures
of retailer Bed, Bath and Beyond (BBBY) and oil and gas production company,
Wildhorse Resources (WRD)

Chapter 10
Capital-Budgeting Techniques and Practice
◆ Includes an extensively revised chapter introduction, which looks at Disney’s de-
cision to build the Shanghai Disney Resort
◆ Offers a simplified, intuitive discussion of the IRR and MIRR
◆ Offers a simplified, intuitive discussion of the ranking of mutually exclusive proj-
ects
◆ Includes an expanded problem set.

Chapter 11
Cash Flows and Other Topics in Capital Budgeting
◆ Revised the calculation of operating cash flows to reflect the changes resulting
from passage of the Tax Cuts and Jobs Act of 2017, in particular bonus deprecia-
tion
◆ Includes revised examples and problems, which reflect the change in the calcula-
tion of depreciation
◆ Includes an expanded problem set.

Chapter 12
Determining the Financing Mix
◆ Offers a revised chapter introduction using a comparison of social media firm,
Snap Inc. and computer chip maker, Broadcom (AVGO)
◆ Revised problem examples and end-of-chapter exercises reflect the tax code revi-
sion of 2017
◆ A new mini-case that analyzes the capital structure of Wildhorse Resources (WRD)
focuses on whether a bank should agree to a loan extension for the firm consider-
ing its current capital structure and operating conditions

Chapter 13
Dividend Policy and Internal Financing
◆ Updated discussion of dividend policy reflects the revision to the U.S. tax code
◆ A streamlined discussion of tax implications for dividend policy focuses on the
applicable tax rates for dividends and capital gains
◆ Revised end-of-chapter study problems reflect changes in the tax code

Chapter 14
Short-Term Financial Planning
◆ Revised end-of-chapter problems and in-chapter examples reflect changes to the
U.S. tax code

Chapter 15
Working-Capital Management
◆ New Finance at Work insert evaluates the cost of Payday loans using the same
method used to evaluate the cost of trade credit. Students will be surprised to see
how expensive these loans are and the fact that they are indeed legal
Chapter 16
International Business Finance
◆ Extensive revisions reflect changes in exchange rates and global financial markets
◆ A new section titled “Repatriation of Profits and Taxation of Profits Abroad” deals with the changes resulting from the passage of the Tax Cuts and Jobs Act of 2017

Web Chapter 17
Cash, Receivables, and Inventory Management
◆ Discussion of cash management has been simplified and reduced in coverage so that students can more easily grasp the important concepts underlying its management

The Foundations of Finance Tenth Edition Program

The 10th Edition of Foundations of Finance continues its drive to provide the student with an intuitive understanding of financial management while providing them with the concepts and skills needed for the successful manager. An understanding that emphasizes the logic and fundamental principles that drive the field of finance allows students to effectively deal with financial problems in an ever-changing financial environment.

To improve student results, we recommend pairing the text content with MyLab Finance, which is the teaching and learning platform that empowers you to reach every student. By combining trusted author content with digital tools and a flexible platform, MyLab personalizes the learning experience and will help your students learn and retain key course concepts while developing skills that future employers are seeking in their candidates. Select end-of-chapter problems in the text are now offered in MyLab Finance as auto-graded Excel Projects. Using proven, field-tested technology, auto-graded Excel Projects allow instructors to seamlessly integrate Microsoft Excel content into their course without having to manually grade spreadsheets. Students have the opportunity to practice important finance skills in Excel, helping them to master key concepts and gain proficiency with the program.

Another form of learning technology offered with this course is the lecture video. We have recorded brief (10–15 minute) lecture videos to accompany all the numbered in-text examples so that the students can replay them as many times as they need to help them understand more fully each of the in-text examples. Students will benefit from being “tutored” when it comes to the primary examples in the text. The videos can be found in the Multimedia Library as well as the eText within MyLab Finance.

Solving Teaching and Learning Challenges

In our opinion, the success of this textbook derives from our focus on maintaining pedagogy that works. We endeavor to provide students with a conceptual understanding of the financial decision-making process that includes a survey of the tools and techniques of finance. For the student, it is all too easy to lose sight of the logic that drives finance and to focus instead on memorizing formulas and procedures. As a result, students have a difficult time understanding the interrelationships among the topics covered. Moreover, later in life, when the problems encountered do not match the textbook
Building on Foundational Finance Principles

Chapter 1 presents five foundational principles of finance which are the threads that bind all the topics of the book. Then throughout the text, we provide reminders of the foundational principles in “Remember Your Principles” boxes.

The five principles of finance allow us to provide an introduction to financial decision making rooted in current financial theory and in the current state of world economic conditions. What results is an introductory treatment of a discipline rather than the treatment of a series of isolated financial problems that managers encounter.

Use of an Integrated Learning System

The text is organized around the learning objectives that appear at the beginning of each chapter to provide the instructor and student with an easy-to-use integrated learning system. Numbered icons identifying each objective appear next to the related material throughout the text and in the summary, allowing easy location of material related to each objective.

A Focus on Valuation

Although many professors and instructors make valuation the central theme of their course, students often lose sight of this focus when reading their text. We reinforce this focus in the content and organization of our text in some very concrete ways:

◆ We build our discussion around the five finance principles that provide the foundation for the valuation of any investment.

◆ We introduce new topics in the context of “what is the value proposition?” and “how is the value of the enterprise affected?”

Real-World Opening Vignettes

Each chapter begins with a story about a current, real-world company faced with a financial decision related to the chapter material that follows. These vignettes have been carefully prepared to stimulate student interest in the topic to come and can be used as a lecture tool to provoke class discussion.
A Step-by-Step Approach to Problem Solving and Analysis

As anyone who has taught the core undergraduate finance course knows, students demonstrate a wide range of math comprehension and skill. Students who do not have the math skills needed to master the subject sometimes end up memorizing formulas rather than focusing on the analysis of business decisions using math as a tool. We address this problem in terms of both text content and pedagogy.

◆ First, we present math only as a tool to help us analyze problems, and only when necessary. We do not present math for its own sake.

◆ Second, finance is an analytical subject and requires that students be able to solve problems. To help with this process, numbered chapter examples appear throughout the book. All of these examples follow a very detailed and structured three-step approach to problem solving that helps students develop their problem-solving skills:

**Step 1: Formulate a Solution Strategy.** For example, what is the appropriate formula to apply? How can a calculator or spreadsheet be used to “crunch the numbers”?

**Step 2: Crunch the Numbers.** Here we provide a completely worked out step-by-step solution. We present first a description of the solution in prose and then a corresponding mathematical implementation.

**Step 3: Analyze Your Results.** We end each solution with an analysis of what the solution means. This stresses the point that problem solving is about analysis and decision making. Moreover, in this step we emphasize that decisions are often based on incomplete information, which requires the exercise of managerial judgment, a fact of life that is often learned on the job.

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**Can You Do It?**

Solving for the Real Rate of Interest

Your banker just called and offered you the chance to invest your savings for 1 year at a quoted rate of 10 percent. You also see on the news that the inflation rate is 6 percent. What is the real rate of interest you would be earning if you made the investment? (The solution can be found on page 42.)

**DID YOU GET IT?**

Solving for the Real Rate of Interest

Nominal or quoted rate of interest + anticipated rate of inflation = product of the real rate of interest and the inflation rate

0.10 = real rate of interest + 0.06 = 0.06 × real rate of interest

Solving for the real rate of interest:

Real rate of interest = 0.0377 = 3.77%

---

**“Can You Do It?” and “Did You Get It?”**

The text provides examples for the students to work at the conclusion of each major section of a chapter, which we call “Can You Do It?,” followed by “Did You Get It?” later in the chapter. This tool provides an essential ingredient in the building-block approach to the material that we use.
Concept Check

At the end of major chapter sections we include a brief list of questions that are designed to highlight key ideas presented in the section.

Financial Decision Tools

A feature that has proven popular with students has been our recapping of key equations shortly after their discussion. Students get to see an equation within the context of related equations.

Financial Calculators and Excel Spreadsheets

The use of financial calculators and Excel spreadsheets has been integrated throughout the text, especially with respect to presentation of the time value of money and valuation. Where appropriate, actual calculator and spreadsheet solutions appear in the text.

Chapter Summaries That Bring Together Concepts, Terminology, and Applications

The chapter summaries have been written in a way that connects them to the in-chapter sections and learning objectives. For each learning objective, the student sees in one place the concepts, new terminology, and key equations that were presented in the objective.

Revised Study Problems

With each edition, we have provided new and revised end-of-chapter study problems to refresh their usefulness in teaching finance. Also, the study problems continue to be organized according to learning objective so that both the instructor and student can readily align text and problem materials. New to this edition, the Study Problems with Excel icons indicate that Auto Graded Excel Project spreadsheets are available in MyLab Finance.
Mini Case

This Mini Case is available in MyLab Finance.

The final stage in the interview process for an assistant financial analyst at Caledonia Products involves a test of your understanding of basic financial concepts. You are given the following memorandum and asked to respond to the questions. Whether you are offered a position at Caledonia will depend on the accuracy of your response.

To: Applicants for the position of Financial Analyst
From: Mr. V. Morrison, CEO, Caledonia Products
Re: A test of your understanding of basic financial concepts and of the corporate tax code

Please respond to the following questions:

a. What is the appropriate goal for the firm and why?
b. What does the risk-return trade-off mean?
c. Why are we interested in cash flows rather than accounting profits in determining the value of an asset?
d. What is an efficient market, and what are the implications of efficient markets for us?
e. What is the cause of the agency problem, and how do we try to solve it?
f. What do ethics and ethical behavior have to do with finance?
g. Define (1) sole proprietorship, (2) partnership, and (3) corporation.

Comprehensive Mini Cases

A comprehensive Mini Case appears at the end of almost every chapter, covering all the major topics included in that chapter. Each Mini Case can be used as a lecture or review tool by the professor. For the students, the Mini Case provides an opportunity to apply all the concepts presented within the chapter in a realistic setting, thereby strengthening their understanding of the material.

Additional MyLab Finance Features

A Powerful Homework and Test Manager. A powerful homework and test manager lets you create, import, and manage online homework assignments, quizzes, and tests that are automatically graded. You can choose from a wide range of assignment options, including time limits, proctoring, and maximum number of attempts allowed. The bottom line: MyLab Finance means less time grading and more time teaching. Please visit www.pearson.com/mylab/finance to access the full set of features available in MyLab Finance.

Study Plan. The Study Plan gives personalized recommendations for each student, based on his or her ability to master the learning objectives in your course. This allows students to focus their study time by pinpointing the precise areas they need to review, and allowing them to use customized practice and learning aids — such as videos, eTexts, tutorials, and more — to help students stay on track.

Pearson eText. Pearson eText enhances learning — both in and out of the classroom. Students can take notes, highlight, and bookmark important content, or engage with interactive lecture and example videos that bring learning to life anytime, anywhere via MyLab or the app. Pearson eText enhances learning — both in and out of the classroom. Worked examples, videos, and interactive tutorials engage students while algorithmic practice and self-assessment opportunities test students’ understanding of the material via MyLab or the app.

Learning Management System (LMS) Integration. You can now link from Blackboard Learn, Brightspace by D2L, Canvas, or Moodle to MyLab Finance. Access assignments, rosters, and resources, and synchronize grades with your LMS gradebook. For students, single sign-on provides access to all the personalized learning resources that make studying more efficient and effective.

Excel Projects. Using proven, field-tested technology, auto-graded Excel Projects let you seamlessly integrate Microsoft Excel content into your course without having to manually grade spreadsheets. Students can practice important statistical skills in Excel, helping them master key concepts and gain proficiency with the program. They simply download a spreadsheet, work live on a statistics problem in Excel, and then upload that file back into MyLab Finance. Within minutes, they receive a report that provides personalized, detailed feedback to pinpoint where they went wrong in the problem.

Financial Calculator. Students can access a fully functional Financial Calculator inside MyLab Finance and a financial calculator app that they can download to their iPhone®, iPad®, or Android device — so they can perform financial calculations and complete assignments, all in the same place.
**Question Help.**  Question Help consists of homework and practice questions to give students unlimited opportunities to master concepts. If students get stuck, learning aids like Help Me Solve This, View an Example, eText Pages, and a Financial Calculator walk them through the problem and show them helpful info in the text — giving them assistance when they need it most.

**Worked Out Solutions.**  Worked Out Solutions are available to students when they are reviewing their submitted and graded homework. They provide step-by-step explanations on how to solve the problem using the exact numbers and data presented in the original problem. Instructors have access to Worked Out Solutions in preview and review mode.

Please visit www.pearson.com/mylab/finance to access the full set of features available in MyLab Finance.

## Developing Employability Skills

For students to succeed in a rapidly changing job market, they should be aware of their career options and how to go about developing the necessary skills. With MyLab Finance and *Foundations of Finance*, we focus on developing these skills in the following ways:

**Excel Skills**  Today, Excel is the primary spreadsheet analysis and modeling tool used in business, and a basic competence in Excel will go a long way towards a successful business career. The power to import data from various files and documents makes Excel the perfect tool for business analysis. In MyLab Finance, there are numerous problems available as auto-graded Excel Projects, which are identified in the text with an Excel icon. Using proven, field-tested technology, these projects seamlessly integrate Microsoft Excel content into the course while avoiding the need to manually grade spreadsheets. This feature allows students the opportunity to practice important finance skills in Excel, helping them to master key concepts and gain proficiency with the program.

**Critical Thinking Skills**  This text begins with the presentation of five foundational principles of finance, which are the threads that bind all the topics of the book. Then, throughout the book, these five foundational principles are revisited in “Remember Your Principles” boxes. These five principles of finance allow us to tie the material together and, as a result, demonstrate the common root of financial theory and financial practice. The end result is an introductory treatment of a discipline rather than the treatment of a series of isolated financial problems that managers encounter. This approach allows students to learn more than simply how to calculate the correct answers to problems. It allows them to understand why problems are approached in different ways and to critically interpret problems, design solutions, and analyze and evaluate their solutions. In effect, students learn the tools of analysis, but more importantly, develop an intuitive understanding of why and what they are doing in their analysis. To conduct this analysis, forecast the future, and discount those cash flows, they must make many assumptions about specific variables. By tying together the logic and fundamental principles that drive the field of finance, students are encouraged to develop their critical thinking skills and effectively deal with financial problems in an ever-changing financial environment.

**Data Analysis Skills**  Finance deals with decision making within the firm—when to introduce a new product, make an investment, or how to value a financial asset like a bond or a share of common stock. Gaining an understanding of the decision-making process and the analytical tool set necessary to make those decisions reflects the core of finance and this text.
# Table of Contents Overview

## Part 1 The Scope and Environment of Financial Management

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>An Introduction to the Foundations of Financial Management</td>
<td>Introduces the framework for the maintenance and creation of shareholder wealth, which should be the goal of the firm and its managers, followed by a look at the basic principles of finance. The different legal forms of organization are also discussed along with multinational corporations.</td>
</tr>
<tr>
<td>2</td>
<td>The Financial Markets and Interest Rates</td>
<td>Examines key components of the US financial market system and the financing of business, and the process of raising funds in capital markets. Historical rates of return are examined along with the fundamentals of interest rate determination.</td>
</tr>
<tr>
<td>3</td>
<td>Understanding Financial Statements and Cash Flows</td>
<td>Financial statements are in some ways the “language of business.” As a manager, there are simply some things about a business that can only be understood through a firm’s financial statements. This chapter examines the three basic financial statements that are used to understand how a firm is doing financially, including (1) income statements, (2) balance sheets, and (3) statements of cash flows.</td>
</tr>
<tr>
<td>4</td>
<td>Evaluating a Firm’s Financial Performance</td>
<td>Identifies important financial relationships of interest to managers, lenders, and shareholders to give more meaning to the financial statements.</td>
</tr>
</tbody>
</table>

## Part 2 The Valuation of Financial Assets

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>The Time Value of Money</td>
<td>Examines the time value of money, looking at calculations associated with moving money through time.</td>
</tr>
<tr>
<td>6</td>
<td>The Meaning and Measurement of Risk and Return</td>
<td>Explains the nature of risk and how risk should relate to expected returns on investments.</td>
</tr>
<tr>
<td>7</td>
<td>The Valuation and Characteristics of Bonds</td>
<td>Explains how bonds and stocks are valued in the marketplace; identifies the different kinds of bonds and their features; and examines the procedures for valuing an asset and applying these ideas to valuing bonds.</td>
</tr>
<tr>
<td>8</td>
<td>The Valuation and Characteristics of Stock</td>
<td>Focuses on the characteristics of common and preferred stocks, and examines how to value them using the same concept for valuing both preferred stock and common stock.</td>
</tr>
<tr>
<td>9</td>
<td>The Cost of Capital</td>
<td>The cost of capital is a key determinant of whether a firm’s investment choices will create value for the firm’s stockholders. In this chapter we evaluate a firm’s overall cost of capital and discuss the estimation of divisional costs of capital.</td>
</tr>
</tbody>
</table>

## Part 3 Investment in Long-Term Assets

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Capital-Budgeting Techniques and Practice</td>
<td>Presents capital-budgeting techniques, including the payback period, discounted payback period, net present value, internal rate of return, and the modified internal rate of return.</td>
</tr>
<tr>
<td>11</td>
<td>Cash Flows and Other Topics in Capital Budgeting</td>
<td>Presents cash flow guidelines and examines the calculation of a project’s free cash flows; focuses on options in capital budgeting, closing with an examination of risk and the investment decision.</td>
</tr>
</tbody>
</table>

## Part 4 Capital Structure and Dividend Policy

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Determining the Financing Mix</td>
<td>When firms make investment decisions they must simultaneously decide what investments to undertake and how they will finance those investments. In this chapter we investigate the factors underlying the decision process that sometimes leads the firms to borrow money and at other times issue new shares of stock.</td>
</tr>
<tr>
<td>13</td>
<td>Dividend Policy and Internal Financing</td>
<td>Dividend policy and a firm’s decision to retain earnings to help finance its investments are opposite sides of the same coin. A decision to pay out a portion of firm earnings to its stockholders in the form of a cash dividend or a stock repurchase is a decision not to retain those earnings and reinvest them in the firm. In this chapter we review various theories concerning why firms choose to pay cash dividends or retain and reinvest earnings.</td>
</tr>
</tbody>
</table>
Part 5 Working-Capital Management and International Business Finance

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<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Short-Term Financial Planning</td>
<td>In order to assure that the firm has the funds it needs to support its day-to-day operations, it is crucial that it forecast those financing needs as part of its planning process. In this chapter we discuss the percent of sales method for preparing a financial forecast as well as the cash budget.</td>
</tr>
<tr>
<td>15</td>
<td>Working-Capital Management</td>
<td>Overviews working capital management as it relates to the analysis of the firm’s investment in short-term or current assets and its use of short-term or current liabilities. Discusses how the balancing of these two accounts will determine the ability of the firm to pay its bills on time or firm liquidity.</td>
</tr>
<tr>
<td>16</td>
<td>International Business Finance</td>
<td>Examines foreign exchange markets and currency exchange rates; the concepts of interest rate parity, purchasing power parity, and the law of one price; and capital budgeting for direct foreign investment.</td>
</tr>
<tr>
<td>Web 17</td>
<td>Cash, Receivables, and Inventory Management</td>
<td>Discusses the theory behind managing a firm’s liquidity by managing its working capital and the fact that this is primarily accomplished by the management of cash, accounts receivables, and inventories.</td>
</tr>
</tbody>
</table>

Instructor Teaching Resources

The Instructor’s Resource Center, accessible at http://www.pearsonhighered.com/irc, hosts all of the instructor resources that follow. Instructors can register online for access or may contact their sales representative for further information.

<table>
<thead>
<tr>
<th>Supplements available to instructor at <a href="http://www.pearsonhighered.com/irc">www.pearsonhighered.com/irc</a></th>
<th>Features of the Supplement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Instructor’s Resource Manual</strong>&lt;br&gt;Authored by Sonya Britt-Lutter from Kansas State University</td>
<td>• Chapter orientations&lt;br&gt;• Chapter outlines&lt;br&gt;• Solutions to end-of-chapter Review Questions, Study Problems, and Mini Cases, as well as any associated Excel files</td>
</tr>
<tr>
<td><strong>Test Bank</strong>&lt;br&gt;Authored by Rodrigo J. Hernandez from Radford University</td>
<td>More than 1600 multiple-choice, true/false, short-answer, and graphing Questions with these annotations:&lt;br&gt;• Type (multiple-choice, true/false, short-answer, essay&lt;br&gt;• Topic (the term or concept the question supports)&lt;br&gt;• Learning outcome&lt;br&gt;• AACSB learning standard (written and oral communication; ethical understanding and reasoning; analytical thinking; information technology; interpersonal relations and teamwork; diverse and multicultural work; reflective thinking; application of knowledge)</td>
</tr>
<tr>
<td><strong>Computerized TestGen</strong></td>
<td>TestGen allows instructors to:&lt;br&gt;• Customize, save, and generate classroom tests&lt;br&gt;• Edit, add, or delete questions from the test item files&lt;br&gt;• Analyze test results&lt;br&gt;• Organize a database of tests and student results.</td>
</tr>
<tr>
<td><strong>PowerPoints</strong>&lt;br&gt;Authored by Sonya Britt-Lutter from Kansas State University</td>
<td>PowerPoints include lecture notes, key equations, and figures and tables from the text. In addition, these the slides meet accessibility standards for students with disabilities. Features include, but are not limited to:&lt;br&gt;• Keyboard and screen reader access&lt;br&gt;• Alternative text for images&lt;br&gt;• High color contrast between background and foreground colors</td>
</tr>
</tbody>
</table>
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—A.J.K./J.D.M./J.W.P.