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成本会计 传统与革新

(第五版)

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COST ACCOUNTING: TRADITIONS AND INNOVATIONS

会计类原版教材影印系列

成本会计：传统与创新

（第五版）

Cost Accounting:
Traditions and Innovations, 5e

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出版说明

中国经济经过 20 多年的改革开放,走上了快速发展的道路,呈现出蓬勃向上的生机与活力。“经济越发展,会计越重要”,经济的全球化推动了会计的国际化。作为国际通用商业语言的会计,其研究与教育也获得了前所未有的发展。而以培养高级人才为己任的中国高等教育,包括会计教育,也面临着如何更好地实现“教育要面向现代化、面向世界、面向未来”的问题。在新的世纪里,如何推进使用优秀外文原版教材,提高学生的外语和专业水平,增强学生的就业竞争能力,培养出大批适应新世纪经济发展所需要的高级专门人才,是目前高等教育的当务之急。教育部适时发出“关于开展经济学类、管理类专业及法学专业原版影印教材评选推荐工作的通知”,正是致力于在中国本土培养高学历、高素质、懂经营、会管理,能在世界经济舞台上为中国经济建设发挥骨干作用的人才,使我国的高等教育能够向世界一流水平靠拢,满足入世后中国对高级管理人才的需求。

为了贯彻落实教育部通知精神,推动中国会计教育的发展,中国财政经济出版社和中国会计学会凭借多年在会计教材出版方面所积累的丰富经验,积极开展会计类原版教材的引进工作,从当今国际上具有广泛影响、被国外著名商学院所采用并获得广泛好评的会计原版教材中,遴选出一套体系相对独立、完整,内容深浅适中,能够满足我国会计教育的需要,并适合未来发展方向精品教材。

根据工作的开展情况,我们邀请国内外会计界的专家学者参与教材推荐评选工作,并成立了会计类原版影印教材评选推荐委员会。在充分考虑到版权引进和兄弟出版社已出版影印教材使用情况的基础

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(4) 引进教材的价格要与学生的经济承受能力相适应;

(5) 对引进教材尽可能进行深度开发,以满足教师教学和学生学习的需要。

经过三次会议认真讨论,我们最终确定引进麦格劳—希尔教育出版公司和汤姆森学习出版集团所出版的《会计原理》、《中级会计》、《高级会计》、《成本会计》、《管理会计》、《财务管理》、《审计学》、《国际会计》、《财务会计》、(非会计专业)、《财务报告分析》10门教材。它们分别是:

Fundamental Accounting Principles, 16e Larson/Wild/Chiappette,
McGraw-Hill,2001

Intermediate accounting,14e,Skousen/Stice,ITP,2001

Advanced Accounting, 8e, Fischer/Taylor,ITP,2001

Cost Accounting:Traditons and Innovations, 5e, Barfield/Raiborn,
ITP,2001

Managerial Accounting, 10e, Garrison/Noreen,McGraw-Hill,2001

Principles of Auditing and other Assurance Services, 13e,
Boynton/Johnson,McGraw-Hill,2001

Financial Management:Theory and Practice,10e,Brigham/Ehrhardt,
13e, Boynton/Johnson,McGraw-Hill,2001

Financial Management: Theory and Practice, 10e, Brigham/Ehrhardt,

ITP, 2001

Financial Accounting, 10e, Meigs/Williams/Haka, McGraw-Hill, 2001

International Accounting: A user Perspective, Saudagaran, ITP, 2001

Financial Reporting Analysis: Using Financial Accounting Information,
8e, Gibson, ITP, 2000

我们所选这套教材，基本上已是再版多次、在国外深受欢迎并被广泛采用的优秀教材的最新版本，都称得上是该领域中的经典之作。期望这套影印教材的出版能对我国的会计教学和研究有所裨益。

我们的这项工作，得到了教育部高教司、财政部人事教育司、财政部会计司和中国注册会计师协会的大力支持，并得到了国内众多院校专家、教授的帮助和国外一些著名商学院教授的指导。他们不但参与了原版教材的推荐，并在教材的初评、复评与最终审定工作中付出了大量的心血。在此表示衷心的感谢。

我们真诚地期望会计学界的专家教授和广大读者对会计影印教材建设提出宝贵的意见和建议。

中国财政经济出版社
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2002年9月

It's never been more important for accounting graduates to have a solid understanding of the interdependence of cost and management accounting. In fact, because of today's overlapping job functions, growth in information technology, and new production methods that require nontraditional information, cost and management accounting are becoming increasingly indistinguishable. Whether the goal is to transform raw materials into finished goods, general ledger data into financial statements, or ideas into architectural drawings, the information needs of management accounting simply could not be accomplished without determining the conversion costs involved.

We've written the fifth edition of *Cost Accounting: Traditions and Innovations* to address this interdependence. As with previous editions, you'll still find balanced coverage of both traditional product costing methods and innovative topics—focusing on cost management systems, accounting as part of organizational strategy, global cost management practices, quality costs, and balanced scorecards for business organizations.

WHO WILL BENEFIT FROM THIS BOOK?

Cost Accounting: Traditions and Innovations is written for students who wish to become professional accountants and obtain professional certifications such as Certified Management Accountant (CMA), Certified Public Accountant (CPA), Certified Financial Manager (CFM), and/or Certified Internal Auditor (CIA). With a thorough but concise presentation of the essential issues of cost and management accounting, this text is ideal for use in a one- or two-semester course in a college accounting program. Typically, students will have taken principles of accounting or financial accounting before taking cost accounting.

SOLID STRUCTURE

We've designed the text's chapter sequence to reflect both curriculum characteristics and pedagogy conducive to learning. For example:

- **Part 1 (Chapters 1 and 2)** provides a thorough overview of cost/management accounting, the current business environment, and cost management systems.
- **Part 2 (Chapters 3 through 10)** discusses methods of product costing, accounting for product shrinkage and expansion, quality as a means to reduce product and service defects, and treatment of joint process costs. With a focus on determining cost for use in financial statement valuation and management decision making, these chapters constitute the traditional cost accounting viewpoint.
- **Parts 3 and 4 (Chapters 11 through 19)** concentrate on managerial information needs and processes. These chapters are divided into planning and controlling (Chapters 11 through 15) and decision making and evaluating performance (Chapters 16 through 19).

PROVEN FEATURES

Throughout the fifth edition, we've maintained the solid features that have made *Cost Accounting: Traditions and Innovations* such a valuable teaching and learning tool. These features include:

- **Stand-Alone Flexibility:** The text's chapter sequence reflects just one of many ways to cover each topic. In fact, assuming that basic definitions have been introduced, each chapter is written in a fairly stand-alone fashion. Because the end-of-chapter materials relate predominantly to the information within the chapter, an instructor wishing to vary the sequence of chapters should find it easy to assign end-of-chapter material. If a problem in one chapter includes a significant use of another chapter's material, this will be designated in the problem heading. (For example, a standard costing problem may also be designated as a process costing problem.)
- **Student-Friendly Style:** We have tried to make this text highly readable and student-oriented—providing numerous examples, models and illustrations of real-world applicability, as well as topical coverage reflecting issues being used in today's dynamic business organizations. All text features—such as the learning objectives, opening and closing vignettes, News Notes, chapter summaries, demonstration problems, and end-of-chapter materials—have been designed not only to foster the learning process but to maintain the highest level of student interest as well.
- **Real-World Focus:** Each chapter contains an “Introducing” and “Revisiting” segment about a real organization, showing students how chapter topics affect businesses on a daily basis. These vignettes have been selected to illustrate all types of organizations—domestic/international, large/small, and manufacturing/service.
- **Compelling News Notes:** To reinforce realism and maintain student interest, the chapters continue to present boxed “News Note” examples from the current business press—featuring up-to-date applications of text concepts in real-life situations. These Notes are keyed with headings denoting relation to one of the following areas: ethics, general business, international, or quality. Approximately three to five Notes appear per chapter, and nearly all are new for this edition.
- **Internet-Focused End-of-Chapter Materials:** We have included a variety of end-of-chapter items, designated with an icon, asking students to obtain information from the Web. In some instances, students must use a search engine to find companies or topics related to the question; in other situations, a specific URL has been provided. In addition, a section called “Reality Check” features more questions related to Internet activities, current events, and innovative topics.



CHANGES IN THE FIFTH EDITION

Considering the wealth of innovative topics and real-world applications, the previous editions of *Cost Accounting: Traditions and Innovations* have been very well received. Relying on suggestions from users and reviewers, we have maintained these positive features in the fifth edition while improving upon them by increasing their currency as well as coverage of multinational businesses and modern global business techniques.

By issuing its “Position Statement Number One: Objectives of Education for Accountants,” the Accounting Education Change Commission was instrumental in providing guidance for each edition's pedagogical features. Therefore, you'll find the following enhanced features in the fifth edition of *Cost Accounting: Traditions and Innovations*, all of which highlight the text's teachability, real world focus, and fostering of student comprehension and intellectual skills:

- **Expanded End-of-Chapter Materials:** Approximately 40 percent of the end-of-chapter materials are new or modified, many of these depicting new real-world situations. In addition, we also include essay and logic problems—

encouraging students to improve their communication and intellectual skills. A number of problems are selected and adapted from CMA examination questions or from the Institute of Management Accountants. The international and service dimensions of business are more heavily integrated, reflecting the increasing global expansion of business enterprises and the diminished level of manufacturing in the United States.

- **Updated News Notes:** All chapter News Notes have been reevaluated or replaced. In fact, nearly 100 percent of these Notes are new for the fifth edition.
- **Updated “Introducing” and “Revisiting” Companies:** All company chapter opening and closing boxes are new or revised for timeliness and currency. For example, Securicor plc, the new owner of Argenbright Security, which has provided airport security, is covered in Chapter 19.
- **Streamlined Organization:** The organizational structure of the fifth edition streamlines chapter materials, allowing for greater instructor flexibility and less redundancy between cost accounting and other business courses. Additionally, this structure includes material that emphasizes the changing nature of cost/management accounting activities. A brief overview:
 - **Chapter 1** introduces the disciplines of financial, cost, and management accounting while addressing the global environment of business. You'll also find a focus on organizational strategy as the underlying linkage for all business activities.
 - **Chapter 2** reflects the view that knowledge of the cost management system is integral to a successful global business. This chapter discusses the emergence of cost management systems and how they should be developed, implemented, and maintained as continuous feedback systems for communicating and using information for all managerial functions.
 - **Chapter 3** focuses on the elements of product and service costs. The discussion of overhead allocation using predetermined rates in this chapter sets the stage for the use of activity-based management and activity-based costing topics (**Chapter 4**).
 - **Chapter 5** contains job order costing details, while **Chapters 6 and 7** cover process costing and spoilage. **Chapter 8** highlights the impact that quality methodologies can have on spoilage reduction.
 - **Chapters 9 through 14** cover joint products, standard costing, variable costing and cost-volume-profit, relevant costing, and master budgeting. Chapter 12, on relevant costing, offers an extensive discussion of outsourcing, while Chapters 13 and 14 are the budgeting chapters.
 - **Chapter 15** focuses on a variety of financial management topics, including revenue variances, cost control for noninventory costs, activity-based budgeting, and cash management. These topics reflect the heightened emphasis that organizations must place on monitoring and controlling operations in an increasingly competitive world.
 - **Chapter 16** illustrates innovative inventory management techniques such as life-cycle costing, target and kaizen costing, value engineering, and theory of constraints. **Chapter 17**, on emerging business practices, examines the changing workplace, open book management, environmental management systems, and enterprise resource planning (ERP).
 - **Chapter 18** discusses decentralization and responsibility accounting concepts for various types of responsibility centers. **Chapter 19** takes a look at financial and nonfinancial performance measurements, explores the uses of measurement systems, including the balanced scorecard to evaluate long-run performance, and discusses the necessity for the measurement and reward systems to tie together to promote organizational effectiveness.

INSTRUCTOR SUPPORT MATERIALS

A comprehensive instructor support package is provided for this text, including:

Instructor's Manual: This manual, developed by Dale L. Flesher of the University of Mississippi, contains sample syllabi, terminology glossaries, and lecture outline summaries. Masters for teaching transparencies for each chapter are included at the end of this volume, providing additional perspectives on text materials and reflecting select PowerPoint presentation slides.

Solutions Manual: Prepared by the authors, this volume has been independently reviewed and checked for accuracy. It contains solutions to all numerical end-of-chapter materials and many non-numerical items, with discussion points provided for many of the "Reality Check" items. The Solutions Manual also includes a copy of the Student Check Figures, which also have been verified.

Solution Transparency Acetates: Acetates are provided from the Solutions Manual for all numerical end-of-chapter materials.

Test Bank: Prepared by J. David Fred of Indiana University South Bend, the Test Bank contains thousands of multiple-choice, short exercise, and short discussion questions with related solutions with level of difficulty (easy, medium, difficult) identified for each question.

ExamView Computerized Testing Software: Relying on easy-to-use test creation software compatible with Microsoft Windows, this supplement contains all the questions in the printed Test Bank. Instructors can add or edit questions, instructions, and answers by previewing them on the screen. They can also create and administer quizzes online—whether over the Internet, a local area network (LAN), or a wide area network (WAN).

PowerPoint Teaching Transparency Slides: Prepared by Margaret A. Houston of Wright State University, these PowerPoint files provide entertaining and informative graphics and text for full-color, electronic presentations. They appear on the text's Web site.

Web Resources: This text's supporting Web site at <http://barfield.swcollege.com> provides downloadable versions of key instructor supplements, as well as student features that enhance students' learning experience (see Student Support Materials below).

NEW: WebTutor Advantage for WebCT and WebTutor Advantage for Blackboard (Instructor's Versions) provide instructors with the class-management tools and features instructors need to facilitate online learning. (See Student Support Materials for learning features.)

Additional Instructor Support Material

Cases in Cost Management: A Strategic Emphasis, 2nd edition, by John Shank: This book provides 35 proven cases focusing on strategic decision making. Helping students develop the ability to apply the concepts of managerial cost analysis in strategic decision making, the cases give particular attention to such topics as ABC, ABM, value chain, and target cost.

Building Business Spreadsheets with Excel, by Kathleen Adkins: This text teaches readers how to build business spreadsheets like a pro. Problem-based learning is used to build students' skills as they complete real life problems. In addition, they learn Excel's best features for working accurately and efficiently, how to find and solve common errors, give spreadsheets a professional look, solve printing problems, and structure spreadsheets to answer business's common "what-if" questions.

California Car Company: An Active Learning Costing Case, by Steven Adams:

This is a hands-on simulation of a production process using model cars to teach cost management principles. The cases in this simulation are built around important, real world business decisions.

Pennsylvania Containers: An Activity-Based Costing Case: This case illustrates activity-based costing using a manufacturing company that produces garbage dumpsters and customized trash receptacles. Focus is on determination of cost drivers and their use in assigning overhead costs to products.

STUDENT SUPPORT MATERIALS

The student support materials are equally comprehensive and designed to foster independent learning in both print and online environment.

Student Study Guide: Prepared by Sharie T. Dow and by Alan D. Campbell of the Center for Online Learning at Saint Leo University, this chapter-by-chapter manual makes it easy for students to reinforce content through independent review and self-examination. It features chapter overviews, detailed chapter notes, and self-test questions.

Student Check Figures: Prepared by the authors using solutions contained in the Solutions Manual, this list is ideal for instructors who wish to provide students with answers to end-of-chapter materials.

Student Solutions Manual: Prepared by the authors from the instructor's Solutions Manual, this supplement provides complete solutions to alternate end-of-chapter exercises and problems.

Spreadsheet Templates: Prepared by Michael Blue of Bloomsburg University, this package allows students to solve selected and icon-designated end-of-chapter exercises and problems using Excel®. Templates are available online at the text Web site or from the instructor.



Web Resources: This text's supporting Web site at <http://barfield.swcollege.com> provides online quizzes, crossword puzzle terminology quizzes, Excel templates to solve selected EOC problems, links to other cost accounting resources, and updates on URL cites in the text, and more.

NEW: WebTutor Advantage for WebCT and WebTutor Advantage for Blackboard offer online learning features that make learning cost accounting easier and more portable. An enhanced version of **Personal Trainer** allows students to complete end-of-chapter exercises online, submit for grading and feedback, and track their progress, providing hints and enhanced spreadsheet templates as they work. Enhanced **quizzing**, PowerPoint **key topic e-lectures**, and PowerPoint **demonstration problems** from the text allow students to better prepare for assignments. Games like **Quiz Bowl** and **Crossword** help students be better prepared for assignments in a relaxed format. Selected **videos** with **interactive questions** give students valuable background about how actual companies employ management accounting techniques covered in the text. **Discussion threads** directly link each chapter's topics and its "Introducing" and "Revisiting" companies. In all, WebTutor Advantage gives students valuable advantages that make the course run smoothly.

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Jesse Barfield
Cecily Raiborn
Mike Kinney

Brief Contents

Part 1 Overview 1

- Chapter 1** Introduction to Cost and Management Accounting in a Global Business Environment 2
- Chapter 2** Introduction to Cost Management Systems 40

Part 2 Systems and Methods of Product Costing 75

- Chapter 3** Organizational Cost Flows 76
- Chapter 4** Activity-Based Cost Systems for Management 130
- Chapter 5** Job Order Costing 172
- Chapter 6** Process Costing 218
- Chapter 7** Special Production Issues: Lost Units and Accretion 260
- Chapter 8** Implementing Quality Concepts 302
- Chapter 9** Cost Allocation for Joint Products and By-Products 342
- Chapter 10** Standard Costing 380

Part 3 Planning and Controlling 441

- Chapter 11** Absorption/Variable Costing and Cost-Volume-Profit Analysis 442
- Chapter 12** Relevant Costing 498
- Chapter 13** The Master Budget 550
- Chapter 14** Capital Budgeting 600
- Chapter 15** Financial Management 660

Part 4 Decision Making and Evaluating Performance 709

- Chapter 16** Innovative Inventory and Production Management Techniques 710
- Chapter 17** Emerging Management Practices 762
- Chapter 18** Responsibility Accounting and Transfer Pricing in Decentralized Organizations 796
- Chapter 19** Measuring and Rewarding Organizational Performance 840

Appendix A: Present Value Tables A-1**Glossary G-1****Author Index I-1****Organizational Index I-4****Subject Index I-8**

PART 1 OVERVIEW 1

CHAPTER 1

INTRODUCTION TO COST AND MANAGEMENT ACCOUNTING IN A GLOBAL BUSINESS ENVIRONMENT 2

Learning Objectives 2

Introducing Scotiabank Group 3

Introduction to Cost Accounting 3

Relationship of Financial and Management Accounting to Cost Accounting 5

Management and Cost Accounting Standards 7

Ethics for Management Accountant Professionals 8

The Global Environment of Business 9

E-Commerce 9

Trade Agreements 10

Globalization Considerations 10

News Note: Choctaw Indians Benefit from NAFTA 12

News Note: Unacceptable Rebates 14

News Note: Ethics Training at Lockheed Martin 15

Organizational Strategy 16

News Note: Where Are We Going? 16

Influences on Organizational Strategy 18

Organizational Structure 18

Core Competencies 19

News Note: Finding Core Competencies 20

Organizational Constraints 20

Organizational Culture 21

Environmental Constraints 22

Responses to Competition 22

News Note: What Creates Differentiation? 22

Role of Accounting in Organizations 24

News Note: Less Time Means More Profits 27

Revisiting Scotiabank Group 28

Chapter Summary 29

Key Terms 30

Questions 30

Exercises 32

Cases 35

Reality Check 37

CHAPTER 2

INTRODUCTION TO COST MANAGEMENT SYSTEMS 40

Learning Objectives 40

Introducing Intel Corporation 41

Introduction to Management Information and Control Systems 42

Defining a Cost Management System 45

News Note: Cyber Travel Up, Air Travel Down 47

Designing a Cost Management System 48

Organizational Form, Structure, and Culture 48

Organizational Mission and Core Competencies 50

Competitive Environment and Strategies 52

News Note: In an Economic Downturn, Managers Focus on the Two Cs: Cash and Costs 52

News Note: Shedding Days and Details to Save Dollars in Product Development 55

Elements of a Cost Management System 55

Motivational Elements 56

News Note: Pay Plan Rewards High Effort and Helps Retain Productive Employees 57

News Note: Blue Cross of California Puts Patients in Charge 58

Informational Elements 58

Reporting Elements 60

CMS Implementation 61

Revisiting Intel Corporation 62

Chapter Summary 63

Appendix—Cost Management System Conceptual Design

Principles 64

Key Terms 65

Questions 65

Exercises 66

Cases 68

Reality Check 72

PART 2 SYSTEMS AND METHODS OF PRODUCT COSTING 75

CHAPTER 3

ORGANIZATIONAL COST FLOWS 76

Learning Objectives 76

Introducing Woodendipity 77

Cost Classifications on the Financial Statements 78

The Conversion Process 79

Retailers versus Manufacturers/Service Companies 80

Manufacturers versus Service Companies 80

Stages of Production 82

Cost Reactions to Changes in Activity 83

Separating Mixed Costs 87

Components of Product Cost 89

Direct Material 90

Direct Labor 90

News Note: Cost Reductions Wanted . . . But Not Enough to Kill 91

Overhead 92

News Note: The Post Office Automates for Savings 93**News Note:** Investments In Shipping Equipment Provide Rewards 94**Accumulation and Allocation of Overhead 95**

Why Overhead Costs Are Allocated 95

Predetermined Overhead Rates 95

Accumulation of Product Costs—Actual Cost System 100**Cost of Goods Manufactured and Sold 102****Accumulation of Product Costs—Normal Cost System 103***Revisiting Woodendipity* 105*Chapter Summary* 106*Appendix—Plantwide versus Departmental Overhead**Application Rates* 107*Key Terms* 109*Solution Strategies* 110*Demonstration Problem* 112*Questions* 114*Exercises* 115*Problems* 122*Case* 127*Reality Check* 128**CHAPTER 4****ACTIVITY-BASED COST SYSTEMS FOR MANAGEMENT 130***Learning Objectives* 130*Introducing FloridaFirst Bancorp* 131**Activity-Based Management 132**

Value-Added versus Non-Value-Added Activities 132

News Note: This Is Why Looks Can Be Deceiving 133

Manufacturing Cycle Efficiency 135

Cost Driver Analysis 136**Activity-Based Costing 141****News Note:** Paying the Piper 142

Two-Step Allocation 142

Activity-Based Costing Illustrated 144

Short-Term and Long-Term Variable Costs 145

Attribute-Based Costing 146

Determining Whether ABC is Appropriate 147

With Product Variety and Product Complexity 147

With Lack of Commonality in Overhead Costs 149

With Problems in Current Cost Allocations 149

With Changes in Business Environment 149

News Note: ABC in the Hospice 150**Criticisms of Activity-Based Costing 150***Revisiting FloridaFirst Bancorp* 152*Chapter Summary* 152*Key Terms* 153*Solution Strategies* 154*Demonstration Problem* 154*Questions* 155*Exercises* 156*Problems* 160*Cases* 165*Reality Check* 170**CHAPTER 5****JOB ORDER COSTING 172***Learning Objectives* 172*Introducing J. Ray McDermott* 173**Methods of Product Costing 174**

Costing Systems 174

Valuation Methods 175

News Note: Clothing . . . Custom-Made 175**Job Order Costing System 176****Job Order Costing: Details and Documents 177**

Material Requisitions 178

Job Order Cost Sheet 179

Employee Time Sheets 179

Overhead 182

News Note: Technology: Lower Meal Program Cost, Raise Service Quality 182

Completion of Production 183

Job Order Costing and Technology 183**News Note:** Small Firms Equal Large Client Base 184**Job Order Costing Illustration 184****Job Order Costing Using Standard Costs 187****Job Order Costing to Assist Managers 190**

Custom Systems: An Illustration of Job Costing Information 190

Monihan's Boatworks 191

Revisiting J. Ray McDermott 192*Chapter Summary* 193*Key Terms* 194*Solution Strategies* 194*Demonstration Problem* 194*Questions* 197*Exercises* 198*Problems* 204*Cases* 211*Reality Check* 214**CHAPTER 6****PROCESS COSTING 218**

<i>Learning Objectives</i>	218
<i>Introducing Figueroa Brothers, Inc.</i>	219
Introduction to Process Costing	220
The Numerator	220
The Denominator	221
Equivalent Units of Production	222
Weighted Average and FIFO Process Costing Methods	222
EUP Calculations and Cost Assignments	224
News Note: Use the Right Drivers to Allocate Costs	225
Weighted Average Method	227
FIFO Method	229
Process Costing in a Multidepartment Setting	233
Process Costing with Standard Costs	235
Hybrid Costing Systems	238
News Note: Have Your Car Your Way!	239
<i>Revisiting Figueroa Brothers, Inc.</i>	239
<i>Chapter Summary</i>	240
<i>Appendix—Alternative Calculations of Weighted Average and FIFO Methods</i>	241
<i>Key Terms</i>	242
<i>Solution Strategies</i>	242
<i>Demonstration Problem</i>	243
<i>Questions</i>	246
<i>Exercises</i>	246
<i>Problems</i>	251
<i>Case</i>	258
<i>Reality Check</i>	258
 CHAPTER 7	
SPECIAL PRODUCTION ISSUES: LOST UNITS AND ACCRETION	260
<i>Learning Objectives</i>	260
<i>Introducing Nippon Paint (Thailand)</i>	261
Loss of Units	262
News Note: Closing the Curtain on Contaminants	262
Types of Lost Units	263
Accounting for Lost Units	265
Illustrations of Lost Units	266
Situation 1—Normal Loss Only; Loss Occurs Throughout Production Process (Continuous)	267
Situation 2—Normal Spoilage Only; Spoilage Determined at Final Inspection Point in Production Process (Discrete)	268
Situation 3—Normal Spoilage Only; Spoilage Determined During Production Process (Discrete)	269
Situation 4—Abnormal Shrinkage (Continuous or Discrete); Some Normal Shrinkage (Continuous)	270
Defective Units	274
Defects/Spoilage in Job Order Costing	275
Generally Anticipated on All Jobs	276
Specifically Identified with a Particular Job	276
Abnormal Spoilage	277
Accretion	277
Controlling Quality to Minimize Lost Units	279
News Note: Analyzing Root Causes	281
News Note: Keeping an “Eye” on Things	282
<i>Revisiting Nippon Paint (Thailand)</i>	282
<i>Chapter Summary</i>	283
<i>Key Terms</i>	284
<i>Solution Strategies</i>	284
<i>Demonstration Problem</i>	285
<i>Questions</i>	287
<i>Exercises</i>	288
<i>Problems</i>	291
<i>Case</i>	297
<i>Reality Check</i>	298
 CHAPTER 8	
IMPLEMENTING QUALITY CONCEPTS	302
<i>Learning Objectives</i>	302
<i>Introducing Soletron Corporation</i>	303
What is Quality	304
News Note: Palm—A Pilot Disoriented?	305
Production View of Quality	305
Consumer View of Quality	306
News Note: Undercover with a Hotel Spy—He Checks to See If Bellhops Are Hopping	308
Benchmarking	309
Total Quality Management	310
The Quality System	311
Employee Involvement	311
Product/Service Improvement	311
News Note: Employee Suggestions Create Organizational Value	312
The Quality Goal	313
Types of Quality Costs	314
News Note: CDC Tactics Used to Attack Auto Problems	317
Measuring the Cost of Quality	317
Obtaining Information from the Cost Management System	321
Quality as an Organizational Culture	322
News Note: Quality and Profitability Stand Together	323
<i>Revisiting Soletron Corporation</i>	324
<i>Chapter Summary</i>	325
<i>Appendix—International Quality Standards</i>	326
<i>Key Terms</i>	327
<i>Solution Strategies</i>	328