18 edition

Fundamental Accounting Principles

John J. Wild

University of Wisconsin at Madison

Kermit D. Larson

University of Texas at Austin

Barbara Chiappetta

Nassau Community College



Boston Burr Ridge, IL Dubuque, IA Madison, WI New York San Francisco St. Louis Bangkok Bogotá Caracas Kuala Lumpur Lisbon London Madrid Mexico City Milan Montreal New Delhi Santiago Seoul Singapore Sydney Taipei Toronto To my wife **Gail** and children, **Kimberly, Jonathan, Stephanie**, and **Trevor**. To my wife **Nancy**.

To my husband Bob, my sons Michael and David, and my mother.



FUNDAMENTAL ACCOUNTING PRINCIPLES

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Clear. Concise. Cutting Edge.



Dear Colleagues/Friends,

As we roll out the 18th edition of *Fundamental Accounting Principles*, we wish to thank each of you who adopted the prior edition. As teachers, we appreciate the importance of selecting the best textbook. We are humbled that you have helped make our book the fastest growing accounting principles textbook on the market—with the number of users growing by 45% over the past two editions. Our publisher, McGraw-Hill/Irwin, recognized this remarkable growth by selecting this book for its "Outstanding Revision of the Year" award.

Our goal in this edition is to further that success. In the past couple years, we again listened closely to you, to our own students, and to our colleagues across the country. As a result, this edition addresses the needs of you and your students better than any previous edition. Above all, we enhanced aspects of the book that contribute to its current success: cutting-edge technology, engaging and accurate content, and clear and concise writing.

Instructors and students tell us this edition's technology package caters to different learning styles and helps students better learn accounting. For example, Homework Manager Plus offers new features to enhance student learning and assist instructor grading. iPod Content lets students study on the go, and the new Algorithmic Test Bank provides an infinite number of exam problems. We believe you and your students will find these technology learning tools both easy to use and highly valuable.

We owe a huge debt of gratitude to the hundreds of colleagues like you who took time to discuss with us the needs of today's instructors and students. We feel fortunate to witness our profession's extraordinary devotion to teaching and helping students learn accounting. Your feedback and suggestions are reflected in everything we write. Please accept our heartfelt thanks for your dedication in helping today's students understand and appreciate accounting.

With kindest regards,

John J. Wild Kermit D. Larson Barbara Chiappetta



Fundamental Accounting Principles is #1

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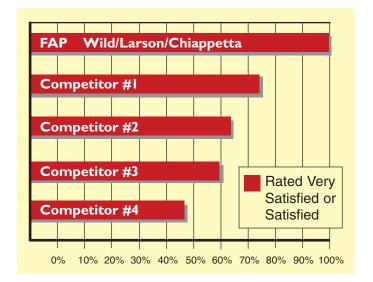
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Janet Adeyiga, Hampton University "Demonstration Problems and application to real life cases and problems included in each chapter."



John J. Wild is a professor of accounting and the Robert and Monica Beyer Distinguished Professor at the University of Wisconsin at Madison. He previously held appointments at Michigan State University and the University of Manchester in England. He received his BBA, MS, and PhD from the University of Wisconsin.

Professor Wild teaches accounting courses at both the undergraduate and graduate levels. He has received the Mabel W. Chipman Excellence-in-Teaching Award, the departmental Excellence-in-Teaching Award, and the Teaching Excellence Award from the 2003 and 2005 business graduates at the University of Wisconsin. He also received the Beta Alpha Psi and Roland F. Salmonson Excellence-in-Teaching Award from Michigan State University. Professor Wild is a past KPMG Peat Marwick National Fellow and is a recipient of fellowships from the American Accounting Association and the Ernst and Young Foundation.



Professor Wild is an active member of the American Accounting Association and its sections. He has served on several committees of these organizations, including the Outstanding Accounting Educator Award, Wildman Award, National Program Advisory, Publications, and Research Committees. Professor Wild is author of *Financial Accounting* and *Financial Statement Analysis*, both published by McGraw-Hill/Irwin. His research appears in The Accounting Review, Journal of Accounting Research, Journal of Accounting and Economics, Contemporary Accounting Research, Journal of Accounting and Public Policy, and other journals. He is past associate editor of Contemporary Accounting Research and has served on several editorial boards including The Accounting Review.

Professor Wild, his wife, and four children enjoy travel, music, sports, and community activities.

Kermit D. Larson is the Arthur Andersen & Co. Alumni Professor of Accounting Emeritus at the University of Texas at Austin. He served as chairman of the University of Texas Department of Accounting and was visiting professor at Tulane University. His scholarly articles have been published in a variety of journals, including The Accounting Review, Journal of Accountancy, and Abacus. He is the author of several books, including *Financial Accounting* and *Fundamentals of Financial and Managerial Accounting*, both published by McGraw-Hill/Irwin.

Professor Larson is a member of the American Accounting Association, the Texas Society of CPAs, and the American Institute of CPAs. His positions with the AAA have included vice president, southwest regional vice president, and chair-person of several committees, including the Committee of Concepts and Standards. He was a member of the committee that planned the first AAA doctoral consortium and served as its director.



Professor Larson served as president of the Richard D. Irwin Foundation. He also served on the Accounting Accreditation Committee and on the Accounting Standards Committee of the AACSB. He was a member of the Constitutional Drafting Committee of the Federation of Schools of Accountancy and a member of the Commission on Professional Accounting Education. He has been an expert witness on cases involving mergers, antitrust litigation, consolidation criteria, franchise taxes, and expropriation of assets by foreign governments. Professor Larson served on the Board of Directors and Executive Committee of Tekcon, Inc., and on the National Accountants Advisory Board of Safe-Guard Business Systems. In his leisure time, he enjoys skiing and is an avid sailor and golfer.

Barbara Chiappetta received her BBA in Accountancy and MS in Education from Hofstra University and is a tenured full professor at Nassau Community College. For the past 17 years, she has been an active executive board member of the Teachers of Accounting at Two-Year Colleges (TACTYC), serving 10 years as vice president and as president from 1993 through 1999. As an active member of the American Accounting Association, she has served on the Northeast Regional Steering Committee, chaired the Curriculum Revision Committee of the Two-Year Section, and participated in numerous national committees.

In 1998, Professor Chiappetta was inducted into the American Accounting Association Hall of Fame for the Northeast Region. She received the Nassau Community College dean of instruction's Faculty Distinguished Achievement Award in 1995. Professor Chiappetta was honored with the State University of New York Chancellor's Award for Teaching Excellence in 1997. As a confirmed believer in the benefits of the active learning pedagogy, Professor Chiappetta has authored Student Learning Tools, an active learning workbook for a first-year accounting course, published by McGraw-Hill/Irwin.



In her leisure time, Professor Chiappetta enjoys tennis and participates on a U.S.T.A. team. She also enjoys the challenge of bridge. Her husband, Robert, is an entrepreneur in the leisure sport industry. She has two sons—Michael, a lawyer, specializing in intellectual property law in New York, and David, a composer, pursuing a career in music for film in Los Angeles.



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Fundamental Accounting Principles 18e

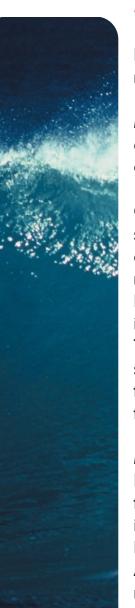
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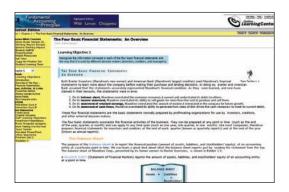
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Jim Shelton, Freed-Hardeman University
"Homework Manager is working out really well, and I
believe it is significantly contributing to increased
performance on exams."





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vice. Students simply receive one single access code which provides access to all of the resources available through Homework Manager Plus.

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- Topic Tackler Plus Tutorial
- Video Segments
- Excel Template Assignments
- Animated Demonstration Problems
- Problem Set C
- More Taking It To The Net Exercises
- BusinessWeek articles
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- Transition Notes
- Cogg Hill Practice Set Solutions Manual
- General Ledger and Peachtree Solution Files
- Instructor's Manual

- Solutions Manual
- Solutions to Excel Template Assignments
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- Solutions to More Taking It To The Net Exercises

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The OLC Website also serves as a doorway to other technology solutions, like course management systems.

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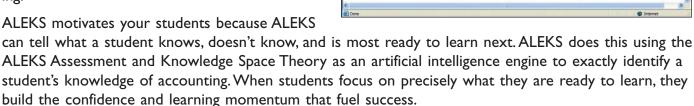
Janice Stoudemire, Midlands Technical College "The supplemental material that this principles accounting text provides is impressive: homework manager, the extensive online learning center, general ledger application software, the topic tackler, net tutor, as well as ALEKS."

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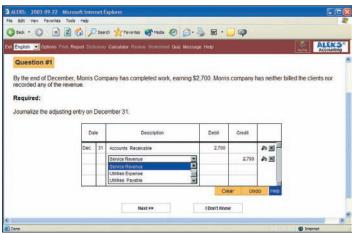


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Liz Ott, Casper College

"I originally adopted the book because of the tools that accompanied it: Homework Manager, ALEKS, CPS."

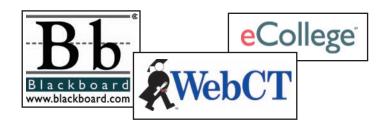
the Edge they need to succeed?



Online Course Management

No matter what online course management system you use (WebCT, BlackBoard, or eCollege), we have a course content ePack available for FAP 18e. Our new ePacks are specifically designed to make it easy for students to navigate and access content online. They are easier than ever to install on the latest version of the course management system available today.

Don't forget that you can count on the highest level of service from McGraw-Hill. Our online course management specialists are ready to assist you with your online course needs. They provide training and will answer any questions you have throughout the life of your adoption. So try our new ePack for FAP 18e and make online course content delivery easy and fun.



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PageOut Service

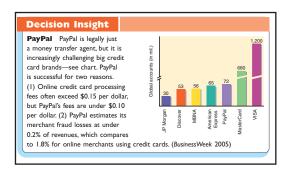
Our team of product specialists is happy to help you design your own course Website. Just call 1-800-634-3963, press 0, and ask to speak with a PageOut specialist. You will be asked to send in your course materials and then participate in a brief telephone consultation. Once we have your information, we build your Website for you, from scratch.



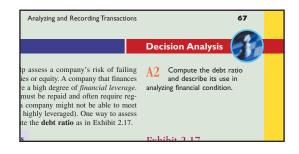
What tools bring Accounting to life

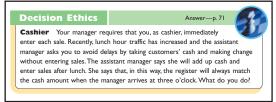
Decision Center

Whether we prepare, analyze, or apply accounting information, one skill remains essential: decision-making. To help develop good decision-making habits and to illustrate the relevance of accounting, Fundamental Accounting Principles 18e uses a unique pedagogical framework called the Decision Center. This framework is comprised of a variety of approaches and subject areas, giving students insight into every aspect of business decision-making. Answers to Decision Maker and Ethics boxes are at the end of each chapter.







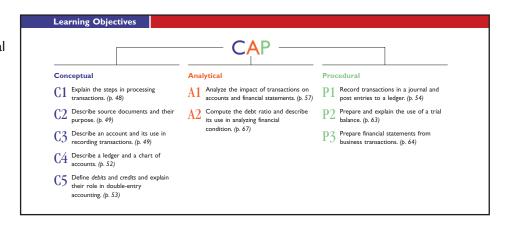


"This text has the best introductions of any text that I have reviewed or used. Some texts simply summarize the chapter, which is boring to students. Research indicates that material needs to be written in an 'engaging manner.' That's what these vignettes do—they get the students interested."

Clarice McCoy, Brookhaven College

CAP Model

The Conceptual/Analytical/Procedural (CAP) Model allows courses to be specially designed to meet your teaching needs or those of a diverse faculty. This model identifies learning objectives, textual materials, assignments, and test items by C, A, or P, allowing different instructors to teach from the same materials, yet easily customize their courses toward a conceptual, analytical, or procedural approach (or a combination thereof) based on personal preferences.

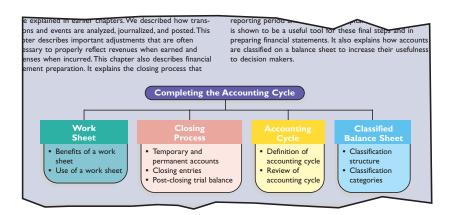


and engage your students?



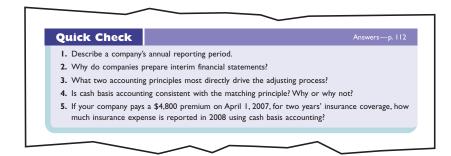
Chapter Preview with Flow Chart

This feature provides a handy textual/visual guide at the start of every chapter. Students can now begin their reading with a clear understanding of what they will learn and when, allowing them to stay more focused and organized along the way.



Quick Check

These short question/answer features reinforce the material immediately preceding them. They allow the reader to pause and reflect on the topics described, then receive immediate feedback before going on to new topics. Answers are provided at the end of each chapter.



"(This book is) visually friendly with many illustrations. Good balance sheet presentation in margin."

Joan Cook, Milwaukee Area Technical College

Marginal Student Annotations

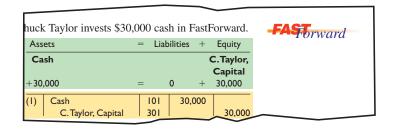
These annotations provide students with additional hints, tips, and examples to help them more fully understand the concepts and retain what they have learned. The annotations also include notes on global implications of accounting and further examples.

FastForward

FastForward is a case that takes students through the Accounting Cycle, chapters I-4. The FastForward icon is placed in the margin whenever this case is discussed.

luding depreciation) and unearned revceived *before* a related expense or revuse the recognition of an expense (or or received). The right side of this exhich reflect transactions when cash is cognized. Adjusting entries are neces-, and liabilities are correctly reported. cts one or more income statement acthe Cash account). **Point:** Adjusting is a 3-step process:

- (I) Determine current account balance,
- (2) Determine what current account balance should be, and (3) Record entry to get from step *I* to step 2.





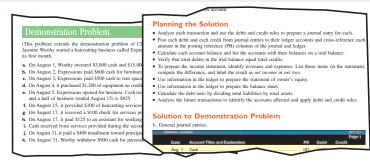
How are chapter concepts

Once a student has finished reading the chapter, how well he or she retains the material can depend greatly on the questions, exercises, and problems that reinforce it. This book leads the way in comprehensive, accurate end-of-chapter assignments.

Demonstration

Problems present both a problem and a complete solution, allowing students to review the entire problemsolving process and achieve success.

Chapter Summaries provide students with a review organized by learning objectives. Chapter Summaries are a component of the CAP model (see page xiv), which recaps each conceptual, analytical, and procedural objective.



Key Terms are bolded in the text and repeated at the end of the chapter with page numbers indicating their location. The book also includes a complete Glossary of Key Terms. Key Terms are also available as online flash cards at the book's Website.

Multiple Choice Questions In re-

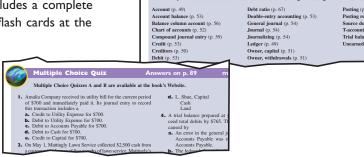
sponse to review and focus group feedback, the author has created Multiple Choice Questions that quickly test chapter knowledge before a student moves on to complete Quick Studies, Exercises, and Problems.

Quick Study assignments are short exercises that often focus on one learning objective. All are included in Homework Manager. There are usually 8-10 Quick Study assignments per chapter.

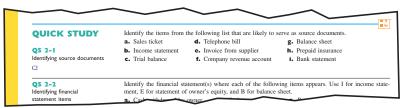
Exercises are one of this book's many strengths and a competitive advantage. There are about 10-15 per chapter and all are included in Homework Manager.

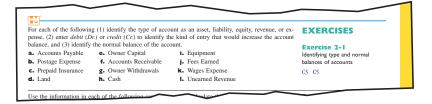
Problem Sets A & B

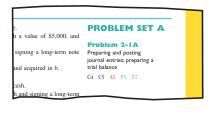
are proven problems that can be assigned as homework or for in-class projects. Problem Set C is available on the book's Website. All problems are coded according to the CAP model (see page xiv), and all are included in Homework Manager.



Key Terms are available at the book's Website for learning and te







PROBLEM SET B
Problem 2-1B
Preparing and posting journal entries; preparing a trial balance
Ci C5 A1 P1 P2
At the beginning Softworks. The c
a. Bernadette C
b. Purchased Ia payable for c. Purchased a

"One of the best features in FAP is the Serial Problem. I find the continuation of a company from a service to a merchandiser, to a manufacturing, and from a sole proprietorship form or business to a corporation, provides the student a real picture of a company's development. It also provides a consistency from one lesson to another."

Barbara Marotta, Northern Virginia Community College, Woodbridge

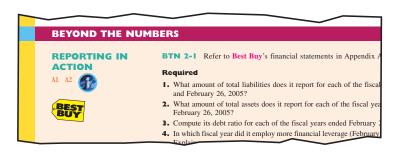
reinforced and mastered?

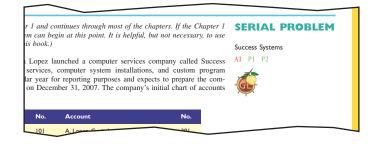


Beyond the Numbers exercises ask students to use accounting figures and understand their meaning. Students also learn how accounting applies to a variety of business situations. These creative and fun exercises are all new or updated, and are divided into 10 sections:

- Reporting in Action
- Comparative Analysis
- Ethics Challenge
- Communicating in Practice
- Taking It To The Net
- Teamwork in Action
- Hitting the Road
- BusinessWeek Activity
- Entrepreneurial Decision
- Global Decision

Serial Problems use a continuous running case study to illustrate chapter concepts in a familiar context. Serial Problems can be followed continuously from the first chapter or picked up at any later point in the book; enough information is provided to ensure students can get right to work.





"The best feature of this book is the use of real (financial) information in the Beyond the Numbers section. This is something that I do on my own, which can be very time consuming. I also like the Entrepreneurial questions, which are not even addressed in most textbooks."

Cindy Navaroli, Chaffey Community College

The End of the Chapter Is Only the Beginning

Our valuable and proven assignments aren't just confined to the book. From problems that require technological solutions to materials found exclusively online, this book's end-of-chapter material is fully integrated with its technology package.



 Quick Studies, Exercises, and Problems available on Homework Manager (see page ix) are marked with an icon.



 Problems supported by the General Ledger Application Software or Peachtree are marked with an icon.



 The Online Learning Center (OLC) includes more Taking It To The Net exercises, Personal Interactive Quizzes, Excel template assignments, and Problem Set C.



 Problems supported with Microsoft Excel template assignments are marked with an icon.



 Material that receives additional coverage (slide shows, videos, audio, etc.) in Topic Tackler is marked with an icon.

Put Away Your Red Pen

We pride ourselves on the accuracy of this book's assignment materials. Independent research reports that instructors and reviewers point to the accuracy of this book's assignment materials as one of its key competitive advantages.

The authors extend a special thanks to accuracy checkers Barbara Schnathorst, The Write Solution, Inc.; Helen Roybark, Radford University; Beth Woods, CPA, Accuracy Counts; Alice Sineath, Forsyth Technical Community College; Teressa Farough, CPA, and Marilyn Sagrillo, University of Wisconsin - Green Bay.



Content Changes for FAP 18e

FAP's revisions are in response to feedback from both instructors and students. Many of these revisions are summarized below. Feedback suggests that *FAP* is the book instructors want to teach from and students want to learn from. Some overall revisions include:

- · New multiple choice questions at each chapter-end
- Revised assignments throughout
- New chapter-opening layout
- Updated ratio analyses
- · New and revised entrepreneurial elements
- New assignments using chapter openers

- Revised serial problem running through nearly all chapters
- New Circuit City annual report with comparisons to Best Buy, Dixons (UK), and the industry-including new assignments
- New Apple financial statements and assignments

Chapter 1

LoveSac **NEW opener** with new entrepreneurial assignment

Revised, early introduction to financial statements

Enhanced transaction analysis using expanded accounting equation

New material on frauds such as Tyco and WorldCom

Revised illustration and assignments on ethical decisions

New insight on principles-based accounting New evidence on small businesses Enhanced materials on Sarbanes-Oxley New multiple choice questions

Chapter 2

Cake Love **NEW opener** with new entrepreneurial assignment

Enhanced introduction to asset accounts Streamlined introduction to double-entry accounting

New color layout for transaction analysis
New insight on women entrepreneurs
Revised insight on unearned revenues
New insight on manager pay under SarbanesOxley

Chapter 3

Alienware **NEW opener** with new entrepreneurial assignment

New graphics for prepaid expenses

New graphic for unearned revenues

New insight on gift card sales as unearned revenues

New illustration of accrued revenues Revised exhibit on accounting adjustments Enhanced assignments for adjusting entries and ethics

Chapter 4

Betty Rides **NEW opener** with new entrepreneurial assignment

Streamlined exhibit for closing entries

New assignment on aggressive estimates

Streamlined discussion of work sheet

New visual from closing entries to accounts

Chapter 5

CoCaLo **NEW opener** with new entrepreneurial assignment

Enhanced illustration on operating cycle Revised exhibit on merchandisers' closing entries

Streamlined multi-step income statement Merchandiser work sheet in appendix

Chapter 6

Surf Diva **NEW opener** with new entrepreneurial assignment

Improved exhibit on cost flow assumptions
Updated exhibit on inventory methods
Enhanced illustration on lower of cost or market

Revised serial problem to add LCM

Chapter 7

Ring Masters **NEW opener** with new entrepreneurial assignment

Enhanced diagrams on special journals and ledgers

New assignments on identifying the special journal of entry

Updated enterprise resource planning (ERP) New insights on Internet frauds and controls

Chapter 8

Raising Cane's Chicken Fingers NEW opener with new entrepreneurial assignment
New material on e-commerce, its risks, its controls, and identity theft

New insight on credit card fraud New illustration on "Hacker" risks New diagram on controls for over-the-counter cash receipts

Updated data on Internet frauds New information on check fraud New data on fees for bank services

Chapter 9

Linditas' **NEW opener** with new entrepreneurial assignment

New explanation of credit and debit cards
Simplified estimation of uncollectibles
New data on PayPal and credit card growth
Enhanced exhibit on aging of receivables
New data on bad debt percentages
Enhanced exhibit on computing maturity date

Chapter 10

Fairytale Brownies **NEW opener** with new entrepreneurial assignment

Revised exhibit on plant asset disposals
Updated data on depreciation methods used
Moved plant asset exchanges to appendix
Updated book for new standard on asset
exchanges

New assignments on asset disposals, goodwill, and intangibles

Chapter 11

Wildflower Linen NEW opener with new entrepreneurial assignment
New insight on gift card liabilities
Updated IRS tax forms
Updated IRS withholding table
New insight on guaranteed salary liabilities
New insight on extended-warranty contracts
Applied 2006 payroll tax rates throughout
New diagram for contingent liabilities



Chapter 12

Rookie Skateboards **NEW opener** with new entrepreneurial assignment

Enhanced explanation and accounting for limited liability companies

New assignment on limited partnerships New insight on Broadway partnerships

Chapter 13

Medsite **NEW opener** with new entrepreneurial assignment

Enhanced graphic on equity composition 'Paid-in capital' used in lieu of 'contributed capital'

Moved section on dividends before preferred stock

Streamlined computation of weighted-average shares

Updated and streamlined stock options New assignments on stock, EPS, and ethics Moved discontinued and extraordinary items to Chapter 17

Chapter 14

Melton Franchise Systems **NEW opener** with new entrepreneurial assignment

Enhanced exhibit on bond interest computation and entry

Moved debt features to decision analysis section

Streamlined bond-issuing procedures

Moved 'issuing bonds between interest dates' to appendix

Streamlined installment notes

New ratio analysis on debt-to-equity

Chapter 15

TOKYOPOP **NEW opener** with new entrepreneurial assignment

Streamlined and enhanced explanation of investments

New illustration on purchases listed in a foreign currency

New return on assets analysis of Gap

Chapter 16

Ashtae Products **NEW opener** with new entrepreneurial assignment

New diagram on cash effects of changes in current assets and liabilities

Enhanced exhibit on summary adjustments for indirect method

New insight on measuring free cash flow New assignments on computing operating cash flows, and financing and investing cash flows

Chapter 17

The Motley Fool **REVISED opener** with new entrepreneurial assignment

New horizontal and vertical analysis using Best Buy

Enhanced common-size analysis of Circuit City and Best Buy

New ratio analysis of Best Buy and Circuit City

New debt-to-equity analysis

New appendix on 'sustainable income,' including new requirements for accounting changes

Streamlined intro to comprehensive income

Chapter 18

Garrison Guitars **NEW opener** with new entrepreneurial assignment

New discussion and assignments on manufacturing cycle time and efficiency

Moved unit contribution margin to Chapter 22

New assignments on direct and indirect costs New assignments on lean manufacturing and operating efficiencies

Enhanced graphics and streamlined discussion of cost flows

Expanded discussion of service businesses and cost controls

Chapter 19

Antelope Valley Medical College NEW opener with new entrepreneurial assignment

New insight on target costing

New illustrations and entries for cost flows in a job order system

Enhanced discussion for service businesses New assignment on Ikea's costing strategy and success

Chapter 20

Duwop **NEW opener** with new entrepreneurial assignment

New discussion on tracking costs in a process operation

New focus on weighted average costing Moved FIFO costing to appendix Streamlined process costing illustrations and exhibits

Simplified computation of equivalent units Streamlined the cost reconciliation and process cost summary

Chapter 21

Jungle Jim's International Market NEW opener with new entrepreneurial assignment

Streamlined activity-based costing illustration Enhanced illustration of performance measurement

New assignment on costing and control of off-site employees

Chapter 22

Chinasprout **NEW opener** with new entrepreneurial assignment

Enhanced illustration and computations for measuring cost behaviors

Expanded explanation and illustration of high-low costing method

New illustration of unit contribution margin Enhanced illustration of contribution margin income statement

New assignments on cost behavior estimation, and on cost, profits, and product giveaways

Chapter 23

Cloudveil **NEW opener** with new entrepreneurial assignment

Enhanced section on budgeted financial reports

New assignment on benefits of budgeting for startups

Chapter 24

Under Armour **NEW opener** with new entrepreneurial assignment

Enhanced explanation of flexible budgets Streamlined overhead cost variance analysis Enhanced budgeting for service businesses

Chapter 25

Progressive Telecom **NEW opener** with new entrepreneurial assignment

Enhanced explanation of depreciation and cash flow

Simplified selected present value calculations Expanded applications to service businesses



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Carol Yacht's General Ledger & Peachtree Complete 2006 CD-ROM

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GL Software developed by Jack E. Terry, ComSource Associates, Inc.

Peachtree templates prepared by Carol Yacht.

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Topic Tackler Plus DVD

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Prepared by Jeannie Folk, College of DuPage.

See page xvii for complete description.

Contributing Author

The authors and book team wish to thank Marilyn Sagrillo for her excellent contributions.

Marilyn Sagrillo is an associate professor at the University of Wisconsin at Green Bay. She received her BA and MS from Northern Illinois University and her PhD from the University of Wisconsin at Madison. Her scholarly articles are published in Accounting Enquiries, Journal of Accounting Case Research, and the Missouri Society of CPAs Casebook. She is a member of the American Accounting Association and the Institute of Management Accountants. She previously received the UWGB Founder's Association Faculty Award for Excellence in Teaching. Professor Sagrillo is an active volunteer for the Midwest Renewable Energy Association. She also enjoys reading, traveling, and hiking.





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Richard Barnhart, Grand Rapids Community College

Mary Barnum, Grand Rapids Community College Cheryl Baron, Ridgewater College Dan Bayak, Northampton Community College Allen Bealle, Delgado Community College Irene Bembenista, Davenport University James Benedum, Milwaukee Area Technical College

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Rick Bowden, Oakland CC - Auburn Hills Deborah Boyce, Mohawk Valley Community College

Nancy Boyd, Middle Tennessee State University Sarah Brown, University of North Alabama Mary Burnell, Fairmont State College Earl Butler, Broward Community College North Paula Campbell, United Education Institute Ronald L. Campbell, North Carolina A&T State University

Sharon Campbell, University of North Alabama Gary Carlson, Kirkwood Community College Lloyd Carroll, Borough of Manhattan Community College

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Joan Cook, Milwaukee Area Technical College
Ken Couvillion, San Joaquin Delta College

Jim Crowther, Kirkwood Community College Patricia Davis, Keystone College

Lee Daugherty, Lorain County Community College

Thomas W. DeBerry, North Georgia College and State University

Andrea Deebach, Lake Washington Technical College

Joan H. Demko, Wor-Wic Community College Linda Dening, Jefferson Community College Mike Deschamps, Chaffey College

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Charles Fazzi, Saint Vincent College

Patricia Feller, Nashville State Community College

Albert Fisher, Community College of Southern Nevada

Carolyn Fitzmorris, Hutchinson Community College

Jim Formosa, Nashville State Technical College Jayne Fuglister, Cleveland State University

John Gabelman, Columbus State Community College

Dennis Gaffney, Cleveland State University

Dan Galvin, Diablo Valley College

Tesfa G. Gebremedhin, West Virginia University Harold Gellis, York College

Barbara Gershowitz, Nashville State Community College

Natalie Gillard, Mesalands Community College

Marie Gould, Springfield College

Harry E. Gray, Ivy Tech State College

Ann Gregory, South Plains College

Curtis Gustafson, South Dakota State University Bill Guthrie, DeVry University - Westminster

Betty Habershon, Prince Georges Community College

Patricia Halliday, Santa Monica College

Fred Hampel, Frontrange Community College

John Hancock, University of California Davis

Mark Handley, Delaware Technical and Community College

Heidi Hansel, Kirkwood Community College

James Hansen, Minnesota State University

Jeannie Harrington, Middle Tennessee State University

William Harvey, Henry Ford Community College

Yvonne Hatami, Boro of Manhattan Community College

Laurie Hays, Western Michigan University

Ken Heaslip, Kean State University

Dianne Henline, Texarkana College

Geoffrey Heriot, Greenville Technical Community College

Bernie Hill, Spokane Community College

Kathy Hill, Leeward Community College

Ted Hopple, Columbus State Community College

Richard Hudanick, Sanford Brown College

Regina C. Ivory, Fort Valley State University

Beverly Jenkins, Phoenix College

Cathy Jeppson, California State University

Bill Johnstone, Montgomery College - Rockville

Jeffery Jones, Community College of Southern Nevada

John Karayan, Occidental College

Naomi Karolinski, Monroe Community College

Sushila Kedia, Grambling University

Howard Keller, Indiana University/Purdue University Indiana

Miriam Keller-Perkins, Berkeley College

Chris Kelly, Community College of Southern Nevada

Chula King, University of West Florida

Debra Kiss, Davenport University

Jay Klein, Florida Metropolitan University

Mary Kline, Blackhawk College

Shirly Kleiner, Johnson County Community College

Christy Kloezeman, Glendale Community College

Susan R. Koch, Austin Peay State University

Jerry Kreuze, Western Michigan University

Tara Laken, Joliet Junior College

Michael Landers, Middlesex County Community College

Sam Lanzafame, Bryant and Stratton

Deborah Leitsch, Goldey-Beacom College

Denise Leggett, Middle Tennessee State University



Natasha Librizzi, Milwaukee Area Technical College

Danny Litt, University of California - Los Angeles

William P. Logan, Middle Georgia College

Dorinda Lynn, Pensacola Junior College

Linda Mallory, Central Virginia Community College

Maria Mari, Miami Dade College

Barbara Marotta, North Virginia Community College, Woodbridge

Mary Maury, St. John's University

Linda McAnally, Sul Ross State University

Larry C. McCabe, Muhlenberg College

Dorothy McCaden, Gibbs College

Cynthia McCall, Des Moines Area Community College

Irene McCarthy, St. John's University

Clarice McCoy, Brookhaven College

Florence McGovern, Bergen Community College

Andrew W. McKee, North Country Community College

Teri Meta, Seminole Community College - Sanford

James E. Miller, Gannon University

Shea Mears, Des Moines Area Community College

Andy Morgret, University of Memphis

David E. Morris, North Georgia College & State University

Audrey Morrison, Pensacola Junior College

Richard Murdock, Ohio State University

Andrea Murowski, Brookdale Community College

Charles Murphy, Bunker Hill Community College

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Bruce R. Neumann, University of Colorado at Denver

Joe Nicassio, Westmoreland County CC

Dave Nichols, University of Mississippi

Deborah Niemer, Oakland Community College

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Dennis Pelzek, Waukesha County Technical College

Shirley Powell, Arkansas State University

Greg Prescott, University of Southern Alabama

Lisa Rackley, Rich Mountain Community College

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Harold Royer, Miami Dade Community College

Al Ruggiero, Suffolk Community College

John A. Rude, Bloomsburg University

Jerry Scott, Ivy Tech State College

Gary Schader, Kean University

Angela Seidel, Cambria-Rowe Business College

Joe Shambley, Sullivan County Community College

Lynn Shuster, Central Penn College

Lois Slutsky, Broward Community College -South Pembroke Pines

Judy Smith, American InterContinental University

Horace Stearman, Remington College

Stacey Stewart, Colorado Northwestern Community College

Verlindsey Stewart, J.F. Drake State Technical Bill Stibrany, Allentown Business School Undine Stinnette, Roosevelt University

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Pamela Strysick, Broward Community College

Linda Stuckey, Virginia Western Community College

Ron Summers, Oklahoma City Community College

David R. Swarts, Clinton Community College

Larry Swisher, Muskegon Community College

Domenico A. Tavella, Pittsburgh Technical Institute

Steve Teeter, Utah Valley State University

Katherene Terrell, University of Central Oklahoma

Ronald R. Tidd, Central Washington University

Christine N. Todd, William Woods University

Shafi Ullah, Broward Community College South

Bob Urell, Irvine Valley College

Peter Vander Weyst, Edmonds Community College

Patricia Walczak, Lansing Community College

Kenton Walker, University of Wyoming

Debra A. Warren, Chadron State College

John Weber, DeVry University

Terry Wegner, Casper College

Keith Weidkamp, Sierra College

Christian Widmer, Tidewater Community

Jack Wiehler, San Joaquin Delta College

Denise N. Wooten, Erie Community College

Patricia Worsham, Riverside Community College-Norco

Gloria Worthy, Southwest Tennessee Community College

Nancy L. Wyant, International College - Fort Myers

Lynette Yerbury, Salt Lake City Community College

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John J. Wild Kermit D. Larson Barbara Chiappetta

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