

FINANCIAL ACCOUNTING

FIFTH CANADIAN EDITION

FINANCIAL ACCOUNTING

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PEARSON

TORONTO

To Jeanette, Simon, and Juliana

—Greg Berberich

To Dennis, Andrea, Allison, and Mark

—Catherine I. Seguin

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About the Authors

Walter T. Harrison, Jr., is Professor Emeritus of Accounting at the Hankamer School of Business, Baylor University. He received his BBA degree from Baylor University, his MS from Oklahoma State University, and his PhD from Michigan State University.

Harrison, recipient of numerous teaching awards from student groups as well as from university administrators, has also taught at Cleveland State Community College, Michigan State University, the University of Texas, and Stanford University.

A member of the American Accounting Association and the American Institute of Certified Public Accountants, Harrison has served as Chairman of the Financial Accounting Standards Committee of the American Accounting Association, on the Teaching/Curriculum Development Award Committee, on the Program Advisory Committee for Accounting Education and Teaching, and on the Notable Contributions to Accounting Literature Committee.

Harrison has lectured in several foreign countries and published articles in numerous journals, including *The Accounting Review*, *Journal of Accounting Research*, *Journal of Accountancy*, *Journal of Accounting and Public Policy*, *Economic Consequences of Financial Accounting Standards*, *Accounting Horizons*, *Issues in Accounting Education*, and *Journal of Law and Commerce*. He is coauthor of *Financial Accounting*, Seventh Edition, 2006 (with Charles T. Horngren) and *Accounting*, Eighth Edition (with Charles T. Horngren and Linda S. Bamber) published by Pearson Prentice Hall. Harrison has received scholarships, fellowships, research grants, or awards from Price Waterhouse & Co., Deloitte & Touche, the Ernst & Young Foundation, and the KPMG Peat Marwick Foundation.

Charles T. Horngren is the Edmund W. Littlefield Professor of Accounting, Emeritus, at Stanford University. A graduate of Marquette University, he received his MBA from Harvard University and his PhD from the University of Chicago. He is also the recipient of honorary doctorates from Marquette University and DePaul University.

A Certified Public Accountant, Horngren served on the U.S. Accounting Principles Board for six years, the Financial Accounting Standards Board Advisory Council for five years, and the Council of the American Institute of Certified Public Accountants for three years. For six years, he served as a trustee of the Financial Accounting Foundation, which oversees the Financial Accounting Standards Board and the Government Accounting Standards Board in the United States.

A member of the American Accounting Association, Horngren has been its President and its Director of Research.

He received its first annual Outstanding Accounting Educator Award.

The California Certified Public Accountants Foundation gave Horngren its Faculty Excellence Award and its Distinguished Professor Award. He is the first person to have received both awards.

Horngren was named Accountant of the Year, Education, by the international professional accounting fraternity Beta Alpha Psi and is a member of the U.S. Accounting Hall of Fame.

Horngren is also a member of the Institute of Management Accountants, where he has received its Distinguished Service Award. He was a member of the Institute's Board of Regents, which administers the Certified Management Accountant examinations.

Horngren is the author of other accounting books published by Pearson Prentice Hall and Pearson Canada Inc.: *Cost Accounting: A Managerial Emphasis*, Fifth Canadian Edition, 2010 (with George Foster, Srikant Datar, and Maureen Gowing) and *Accounting*, Canadian Eighth Edition, 2010 (with Walter T. Harrison, Linda S. Bamber, W. Morley Lemon, Peter R. Norwood, and Jo-Ann Johnston).

Horngren is the Consulting Editor of the Charles T. Horngren Series in Accounting.

Charles William (Bill) Thomas is the J. E. Bush Professor of Accounting and a Master Teacher at Baylor University. A Baylor University alumnus, he received both his BBA and MBA there and went on to earn his PhD from The University of Texas at Austin.

With primary interests in the areas of financial accounting and auditing, Bill Thomas has served as the J.E. Bush Professor of Accounting since 1995. He has been a member of the faculty of the Accounting and Business Law Department of the Hankamer School of Business since 1971 and served as chair of the department from 1983 until 1995. He was recognized as an Outstanding Faculty Member of Baylor University in 1984 and Distinguished Professor for the Hankamer School of Business in 2002. Dr. Thomas has received several awards for outstanding teaching, including the Outstanding Professor in the Executive MBA Programs in 2001, 2002, and 2006. In 2004, he received the designation as Master Teacher.

Thomas is the author of textbooks in auditing and financial accounting, as well as many articles in auditing, financial accounting and reporting, taxation, ethics, and accounting education. His scholarly work focuses on the subject of fraud prevention and detection, as well as ethical

issues among accountants in public practice. His most recent publication of national prominence is “The Rise and Fall of the Enron Empire,” which appeared in the April 2002 Journal of Accountancy, and which was selected by Encyclopedia Britannica for inclusion in its Annals of American History. He presently serves as both technical and accounting and auditing editor of *Today’s CPA*, the journal of the Texas Society of Certified Public Accountants, with a circulation of approximately 28,000.

Thomas is a certified public accountant in Texas. Prior to becoming a professor, Thomas was a practicing accountant with the firms of KPMG, LLP, and BDO Seidman, LLP. He is a member of the American Accounting Association, the American Institute of Certified Public Accountants, and the Texas Society of Certified Public Accountants.

Greg Berberich, CPA, CA, PhD, is the Director of the Masters of Accounting program in the School of Accounting and Finance at the University of Waterloo, where he has been a Lecturer since 2011. Before that, he was a faculty member at Wilfrid Laurier University for nine years. He obtained his BMath and PhD from the University of Waterloo and completed his CPA and CA in Ontario.

Berberich has taught financial accounting, auditing, and a variety of other courses at the undergraduate and graduate levels. He has presented papers at a variety of academic conferences in Canada and the United States and has served on the editorial board of the journal *Issues in Accounting Education*. Berberich was also the Treasurer of the Society for Teaching and Learning in Higher Education and the Associate Director of Teaching and Learning in Waterloo’s School of

Accounting and Finance. He has written a number of cases for use in university courses and professional training programs. This is Berberich’s first time coauthoring a textbook.

Catherine I. Seguin, MBA, CGA, is a Senior Lecturer at the University of Toronto Mississauga. In addition to her books *Accounting for Not-for-Profit Organizations* for Carswell (Thomson-Reuters) and *Not-for-Profit Accounting*, published by CGA Canada, she revised the study guide that accompanied the third edition of this textbook. She also coauthored a practice book on management accounting and wrote a test bank for a financial accounting book for McGraw-Hill.

At the University of Toronto Mississauga, Catherine initiated, organized, and continues to run an internship course where fourth-year Bachelor of Commerce and Bachelor of Business Administration students are given an opportunity to gain practical business experience to complement their field of studies. She has organized, co-hosted, and chaired ongoing workshops that invite all University of Toronto Mississauga professors teaching first-year classes to discuss and learn what pedagogical and organizational issues they face. She serves as Dean’s Designate for academic offences in the Social Sciences.

In the business community, she has participated in the consultation of the reform of the Canada Corporations Act for not-for-profit organizations. In the past, she has served on several boards of not-for-profit organizations and has been a professional development speaker for CGA Ontario on the topic of not-for-profit accounting. Currently, she serves as Treasurer on the board of a small not-for-profit organization.

Preface

Helping Students Build a Solid *Financial Accounting* Foundation

Financial Accounting introduces the financial statements and the conceptual framework that underlies them in Chapter 1 and builds on this foundation throughout the remaining 12 chapters. The concepts and procedures that form the accounting cycle are also described and illustrated early in the text (Chapters 2 and 3) and are then applied consistently in the chapters that follow. By introducing financial accounting's most critical concepts and procedures early in the book and then repeatedly applying them in the context of new material in later chapters, students will finish the textbook with a sound grasp of introductory financial accounting principles.

This book also features a new coauthor, Greg Berberich, from the University of Waterloo, who brings 25 years of experience practising and teaching accounting to the Fifth Canadian Edition textbook. Greg contributed to seven of the book's 13 chapters and also suggested some of its new or revised pedagogical features.

Visual Walkthrough

UPDATED! **Learning Objectives** on the first page of every chapter clearly specify what students should be able to do once they have finished reading the chapter and completing the accompanying exercises, problems, and cases. Each objective also serves as the heading of the chapter section in which the related concepts are presented, providing students with a clear link between the objectives and the material that will help them achieve those objectives.

UPDATED! **Chapter-Opening Vignettes** provide students with clear links between chapter topics and the business decisions made by many familiar real-world companies. Some of the companies students will encounter include Apple, Le Château, WestJet, and TELUS.

UPDATED! **User-Oriented Approach** focuses students' attention on the relevance and interpretation of information in the financial statements by adding coverage of several new ratios, which will enhance their ability to evaluate a company's liquidity, turnover, and profitability. New end-of-chapter problems give students additional practice using these new ratios.



LEARNING OBJECTIVES

- 1 Explain why accounting is the language of business
- 2 Explain accounting's conceptual framework and underlying assumptions
- 3 Describe the purpose of each financial statement and explain the elements of each one
- 4 Explain the relationships

SPOTLIGHT

If you've ever shopped for a smartphone, tablet, or mobile Internet service, you have very likely been in a TELUS store. Based in British Columbia, TELUS Corporation is one of Canada's largest telecommunications companies, providing a range of products and services, including mobile computing devices, wireless voice and data access, satellite television, and home phone service. As of 2011, TELUS had 7.3 million wireless

making a final assessment of TELUS's 2011 financial performance. Imagine you work for a bank that TELUS would like to borrow \$500 million from. How would you decide whether to lend them the money? Or suppose you have \$5,000 to invest. What financial information would you analyze to decide whether to invest this money in TELUS? Let's see how accounting information can be used to make these kinds of decisions.

EXPLAIN WHY ACCOUNTING IS THE LANGUAGE OF BUSINESS

Accounting is an information system that measures and records business activities,

OBJECTIVE

- 1 Explain why accounting is the language of business

OBJECTIVE

- 1 Explain accounting's conceptual framework and underlying assumptions

EXPLAIN ACCOUNTING'S CONCEPTUAL FRAMEWORK AND UNDERLYING ASSUMPTIONS

Generally Accepted Accounting Principles

get one vote for each voting share they own. Shareholders also elect the members of the board of directors, which sets policy for the corporation and appoints officers. The board elects a chairperson, who is the most powerful person in the corporation and may also carry the title chief executive officer (CEO), the top management position. Most corporations also have vice-presidents in charge of sales, manufacturing, accounting and finance, and other key areas.

NEW! Focus on Analysis sections use the company TELUS Corporation, one of Canada's largest and most successful telecommunications companies, to illustrate key concepts throughout the book. Each chapter also features two problems that require students to analyze TELUS's financial statements, so they can clearly see how the concepts they are learning help them understand a real and well-known company's financial situation.

for example, a company sells a building for more than the amount it was carried at on the balance sheet, then the company would realize a gain on the sale of this asset. If the selling price was less than the carrying amount, then the company would realize a loss. For simplicity, gains and losses are excluded from the following illustrations, but remember that when it comes to impacts on the accounting equation, gains have the same effect as revenues, whereas losses have the same impact as expenses.

STOP + THINK (2-1)

You were reading Apple's most recent financial statements and wondered:

1. What are two distinct types of transactions that would increase Apple's shareholders' equity?
2. What are two distinct types of transactions that would decrease Apple's shareholders' equity?

RECORD THE IMPACT OF BUSINESS TRANSACTIONS ON THE ACCOUNTING EQUATION

Example: Tara Inc.
To illustrate accounting for business transactions, let's return to J.J. Booth and Marie

OBJECTIVE
Record the impact of business transactions on the accounting equation

DECISION GUIDELINES

HOW TO MEASURE RESULTS OF OPERATIONS AND FINANCIAL POSITION
Every manager must assess their company's profitability, financial position, and cash flows, but before they can do this, the company's transactions must be recorded in the accounting records. Here are some guidelines for the manager to follow when making decisions between the transaction stage and the reporting stage of the accounting process.

Decision	Guidelines
Has a transaction occurred?	If the event affects the entity's financial position and it can be reliably measured—Yes If either condition is absent—No
Where should the transaction be recorded?	In the <i>journal</i> , the chronological record of transactions
What accounts should be used to record the transaction in the journal?	Look in the <i>chart of accounts</i> for the most appropriate accounts to use
Should the affected accounts be debited or credited?	Rules of debit and credit:
	Increase Decrease

COOKING THE BOOKS ISSUES IN ACCRUAL ACCOUNTING

Accrual accounting provides some ethical challenges that cash accounting avoids. Suppose that on December 1, 2014, for example, Shop Online Inc. (SOI) pays \$3 million in cash for an advertising campaign, which will run during December, January, and February. The ads start running immediately. If SOI properly applies the expense recognition principle discussed earlier in the chapter, it should record one-third of the expense (\$1 million) during the year ended December 31, 2014, and leave the remaining \$2 million as a prepaid expense that will be recognized as an expense in 2015.

But also suppose that 2014 is a great year for SOI, with its net income being much higher than expected. SOI's top managers believe, however, that 2015 will be much less profitable due to increased competition. In this case, company managers have a strong incentive to expense the full \$3 million during 2014, an unethical action that would keep \$2 million of advertising expense off the 2015 income statement and increase its net income by the same amount (ignoring income taxes).

Unethical managers can also exploit the revenue recognition principle to artificially improve reported liabilities, revenues, and net income. Suppose it is now December 31, 2014, and Highfield Computer Products Ltd., which is having a poor fiscal year, has just received a \$1 million advance cash payment for merchandise it will

Summary of IFRS-ASPE Differences		
Concepts	IFRS	ASPE
Non-strategic investments (p. 377)	These investments are reported at fair value, with unrealized and realized gains and losses reported in net income, unless the company elects to report them in other comprehensive income.	These investments are reported at fair value, with unrealized and realized gains and losses reported in net income.
Investments subject to significant influence (p. 377)	A company shall apply the equity method to account for these investments.	A company may choose to apply either the equity method or the cost method. If the share investments are quoted in an active market, then the fair value method replaces the cost method as an option, with any changes in fair value reported through net income.
Investments in controlled subsidiaries (p. 383)	A company shall consolidate its financial statements with those of its subsidiaries.	A company may choose to account for its subsidiaries using the cost method, the equity method, or the consolidation method. If share investments are quoted in an active market, then the fair

UPDATED! Stop + Think problems offer students the opportunity to pause in their reading and apply what they've just read to basic but realistic problems. The solutions to these problems have been moved to the end of each chapter, so students can't glance at them as they read the problems.

NEW! Decision Guidelines show students how managers, investors, and creditors would apply key financial accounting concepts to make critical business decisions.

NEW! Cooking the Books highlight real fraud cases in relevant sections throughout the text, giving students context to the material they are learning through real-life business situations.

NEW! IFRS-ASPE Differences are summarized at the end of several chapters to identify the differences that exist between these two sets of Canadian generally accepted accounting principles. Appendix B also contains a summary of all the IFRS-ASPE differences mentioned in the book.

UPDATED! End-of-Chapter Summaries clearly highlight the key concepts related to each learning objective so that students will finish each chapter with an overview of its most critical material.

UPDATED! Summary Problems and Solutions appear at the midpoint and end of the chapters, providing students with guidance on how to solve in-depth problems using concepts that have just been discussed in the text.

NEW! Microsoft Excel™ in MyAccountingLab

- Now students can get real-world Excel practice in their classes.
- Instructors have the option to assign students End-of-Chapter questions that can be completed in an Excel-simulated environment.
- Questions will be auto-graded, reported to, and visible in the grade book.
- Excel remediation will be available to students.

Changes to the Fifth Canadian Edition

Students and instructors will benefit from numerous changes incorporated into this latest edition of *Financial Accounting*. New student-friendly boxes called **Decision Guidelines** show students how managers, investors, and creditors would apply key financial accounting concepts to make critical business decisions. New topical **Cooking the Books** boxes highlight real fraud cases in relevant sections throughout the text, giving students context to the material they are learning through real-life business situations. New comprehensive **IFRS-ASPE Differences tables** summarized at the end of several chapters identify the differences that exist between these two sets of Canadian generally accepted accounting principles. Appendix B also contains a summary of all the IFRS-ASPE differences mentioned in the book. All material has been updated to reflect the IFRS and ASPE principles in effect at the time of writing (February 2013), or (in some cases) expected to be in effect by the time of the book's publication in 2014. The following is a summary of other significant changes made to this edition:

- | | |
|-----------|---|
| Chapter 1 | <ul style="list-style-type: none">• The first chapter has been rewritten to present key concepts with greater clarity and to eliminate redundancies with material covered in detail in later chapters.• The coverage of the main financial statements and their elements has been revised to incorporate formal IFRS terminology and definitions and to better highlight differences between IFRS and ASPE.• Most of the accounting vocabulary terms have been rewritten so they are consistent with IFRS/ASPE definitions. |
| Chapter 2 | <ul style="list-style-type: none">• The chapter title and learning objectives have been revised to better reflect the main purpose of the chapter and the outcomes to be achieved.• Much of the chapter has been rewritten to present key concepts and related examples more clearly.• This chapter now includes a Decision Guidelines section that summarizes the flow of accounting information from the transaction stage through to the financial statements. |
| Chapter 3 | <ul style="list-style-type: none">• The material on revenue and expense recognition has been rewritten to thoroughly reflect the IFRS/ASPE criteria that guide the recognition of these items. The accompanying examples have also been revised to clearly illustrate the application of each recognition principle to different scenarios.• The coverage of adjusting entries has been revised to eliminate redundancies and to describe each major type of adjusting entry using terminology that is consistent with the rewritten revenue and expense recognition principles described above.• Detailed coverage of the current ratio and debt ratio has been added, including illustrations of the impacts of transactions on the ratios, accompanied by a Decision Guidelines section that summarizes the use of these ratios. |
| Chapter 6 | <ul style="list-style-type: none">• More detailed explanations of how to apply the weighted-average and FIFO costing methods under both perpetual and periodic inventory systems are provided in this chapter. |

- The end-of-chapter material includes several new problems on applying the weighted-average costing method under a perpetual inventory system.
- Chapter 7
 - This chapter now includes coverage of the return on assets, asset turnover, and net profit margin ratios, along with coverage of how to interpret these ratios using DuPont analysis.
 - The end-of-chapter material has several new problems that require students to use these new ratios.
- Chapter 8
 - The coverage of long-term investments has been moved up several chapters to Chapter 8 to immediately follow the chapters that discuss the asset side of the balance sheet.
 - Coverage of the time value of money has been moved from the appendix to this chapter, and end-of-chapter problems on this topic have been added.
- Chapter 9
 - This chapter now has coverage of the accounts payable turnover and leverage ratios, along with new end-of-chapter problems requiring the use of these ratios.
 - Material on short-term borrowings, such as bank overdrafts and lines of credit, as well as term loans, has been added.
- Chapter 10
 - Much of this chapter has been rewritten to present key concepts with greater clarity and to eliminate redundancies with material covered in detail in other chapters.
 - Coverage of the DuPont analysis has been added, which provides a more detailed and useful way of analyzing a company's return on equity.
- Chapter 11
 - Information on the statements of comprehensive income and changes in shareholders' equity has been updated to reflect proper terminology and presentation of these statements.
 - Coverage of the auditor's report has also been updated to reflect new standards and wording for this report.
 - Many of the accounting vocabulary terms have been rewritten so they are consistent with IFRS/ASPE definitions.
- Chapter 12
 - Most of this chapter has been rewritten to provide additional guidance and to improve clarity on difficult concepts, especially regarding the classification of operating, investing, and financing activities, and the treatment of changes in non-cash operating working capital accounts. Related terminology and definitions are now consistent with IFRS and ASPE.
 - A mid-chapter summary problem with a focus on the operating activities section has been added, as well as a Stop + Think box with a focus on using information in the statement of cash flows.
 - Most of the accounting vocabulary terms have been revised to be consistent with IFRS/ASPE definitions.
- Chapter 13
 - Coverage of accounts payable turnover, leverage, and the cash conversion cycle has been added to this chapter, along with end-of-chapter problems related to this new material.

Student Resources

MyAccountingLab is a powerful online learning tool that not only provides opportunities for limitless practice, but recreates the “I get it” moments from the classroom. MyAccountingLab provides a rich suite of learning tools, including:

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- An online, interactive Accounting Cycle Tutorial
- Mini-Cases
- Help Me Solve It question-specific interactive coaching
- A dynamic eText with links to media assets
- Accounting videos, animations, and DemoDocs

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Prologue

Accounting Careers: Much More Than Counting Things

What kind of career can you have in accounting? Almost any kind you want. A career in accounting lets you use your analytical skills in a variety of ways, and it brings both monetary and personal rewards. Professional accountants work as executives for public companies, partners at professional services firms, and analysts at investment banks, among many other exciting positions.

Accounting as an art is widely believed to have been invented by Fra Luca Bartolomeo de Pacioli, an Italian mathematician and Franciscan friar in the sixteenth century. Pacioli was a close friend of Leonardo da Vinci and collaborated with him on many projects.

Accounting as the profession we know today has its roots in the Industrial Revolution during the eighteenth and nineteenth centuries, mostly in England. However, accounting did not attain the stature of other professions such as law, medicine, or engineering until early in the twentieth century. Professions are distinguished from trades by the following characteristics: (1) a unifying body of technical literature, (2) standards of competence, (3) codes of professional conduct, and (4) dedication to service to the public.

An aspiring accountant must obtain a university degree, pass several professional examinations, and gain two or three years of on-the-job training before they can receive a professional accounting designation. Historically, the most common accounting designations in Canada were the CA (Chartered Accountant), CMA (Certified Management Accountant), and CGA (Certified General Accountant) designations. Recently, however, the Canadian accounting profession has become more unified, so now the most prevalent designation is the CPA, which stands for Chartered Professional Accountant, although the three legacy designations are still used in some jurisdictions.

When you hold one of these designations, employers know what to expect about your education, knowledge, abilities, and personal attributes. They value your analytical skills and extensive training. Your professional designation gives you a distinct advantage in the job market, and instant credibility and respect in the workplace. It's a plus when dealing with other professionals, such as bankers, lawyers, auditors, and federal regulators. In addition, your colleagues in private industry tend to defer to you when dealing with complex business matters, particularly those involving financial management.

Where Accountants Work

Where can you work as an accountant? There are four main types of employers.

Professional Accounting Firms

You can work for a professional accounting firm, which could range in size from a small local firm to a large international firm such as KPMG or Ernst & Young. These firms provide assurance, tax, and consulting services to a variety of clients, allowing you to gain a broad range of experience if you so choose. Many accountants begin their careers at a professional accounting firm and then move into more senior positions in one of the job categories described below. Others may stay on, or join one of these firms after working elsewhere, to take advantage of the many rewarding careers these firms offer.

Public or Private Companies

Rather than work for an accounting firm and provide your expertise to a variety of clients, you can work for a single company that requires your professional knowledge. Your role may be to analyze financial information and communicate that information to managers who use it to plot strategy and make decisions. Or you may be called upon to help allocate corporate resources or improve financial performance. For example, you might do a cost-benefit analysis to help decide whether to acquire a company or build a factory. Or you might describe the financial implications of choosing one business strategy over another. You might work in areas such as internal auditing, financial management, financial reporting, treasury management, and tax planning. The most senior financial position in these companies is the chief financial officer (CFO) role; some CFOs rise further to become chief executive officers (CEOs) of their companies.

Government and Not-for-Profit Entities

Federal, provincial, and local governmental bodies also require accounting expertise. You could be helping to evaluate how government agencies are being managed, or advise politicians on how to allocate resources to promote efficiency. The RCMP hires accountants to investigate the financial aspects of white-collar crime. You might find yourself working for the Canadian Revenue Agency, one of the provincial securities commissions, or a federal or provincial Auditor General.

As an accountant, you might also decide to work in the not-for-profit sector. Colleges, universities, public and private primary and secondary schools, hospitals, and charitable organizations such as churches and the United Way all have accounting functions. Accountants in the not-for-profit sector provide many of the same services as those in the for-profit sector, but their focus is less on turning a profit than on making sure the organizations spend their money wisely and operate efficiently and effectively.

Education

Finally, you can work at a college or university, advancing the thought and theory of accounting and teaching future generations of new accountants. On the research side of education, you might study how companies use accounting information. You might develop new ways of categorizing financial data, or study accounting practices in different countries. You then publish your ideas in journals and books and present

them to colleagues at meetings around the world. On the education side, you can help others learn about accounting and give them the tools they need to be their best.

Regardless of which type of organization you work for, as an accountant, your knowledge will be highly valued by your clients, colleagues, and other important stakeholders. As the economy becomes increasingly global in scope, accounting standards, tax laws, and business strategies will grow more complex, so it's safe to say that the expertise provided by professional accountants will continue to be in high demand. This book could serve as the first step on your path to a challenging and rewarding career as a professional accountant!

FINANCIAL ACCOUNTING

