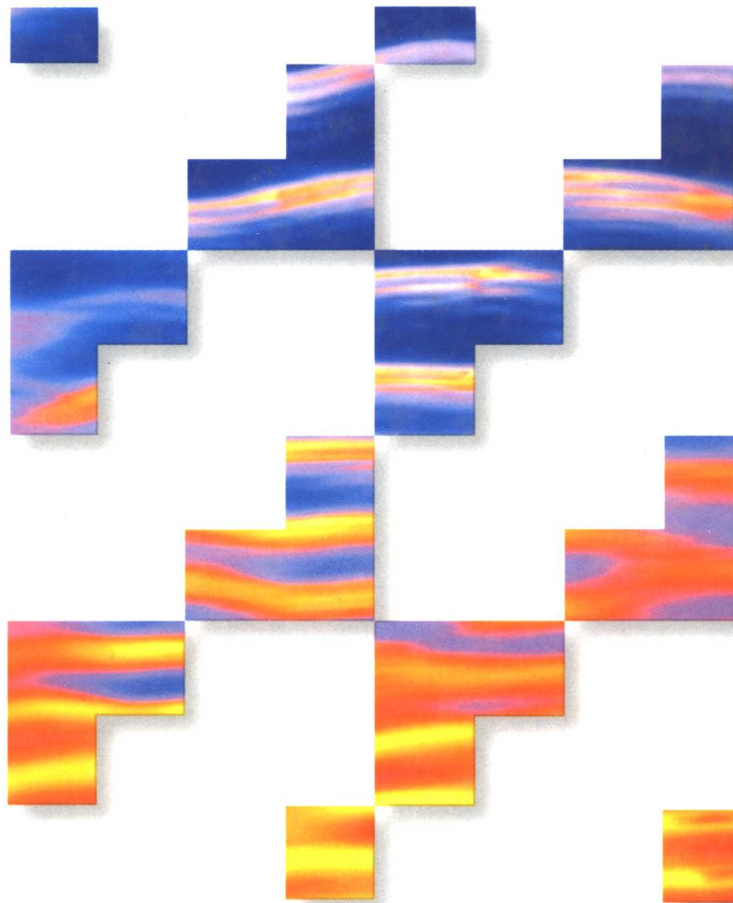


AUDITING

A SYSTEMATIC APPROACH



WILLIAM F. MESSIER, JR.

AUDITING

A Systematic Approach

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This book is dedicated to my wife, Teddie
and my children, Stacy and Mark
for their support, encouragement, and love

ABOUT THE AUTHOR

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Professor Messier has served as the Chairperson of the Auditing Section of the American Accounting Association. He is Co-Editor of the *Journal of Accounting Literature* and he has authored or coauthored over 45 articles in accounting, decision science, and computer science journals.

PREFACE

The last twenty years have seen tremendous change in the practice of public accounting. Corporations have restructured their businesses and moved to expand their activities globally. Changes in technology have increased the speed with which information is transmitted within and between entities. In addition, there has been a growing demand by various groups for auditors to assume more responsibility as a part of their role in society. Events such as illegal acts by organizations, bankruptcies of major corporations, and the savings-and-loan crisis have led to critical questions about the auditor's role in those events. While such changes and events represent challenges for auditors, they also offer significant opportunities for auditors to make a contribution to the effective and efficient flow of information and capital in our society.

These changes require that auditing students have a thorough understanding of the audit process. I believe that this is best accomplished by having students understand the basic concepts that underlie the audit process and how to apply those concepts to a financial statement audit. This first edition of *AUDITING: A Systematic Approach* presents an up-to-date description of the audit environment and audit practice. As the title indicates, the book takes a *systematic approach* to the audit process by first introducing the three basic concepts that underlie the audit process: *materiality*, *audit risk*, and *evidence*. These concepts are then applied to each major accounting cycle and related account balances using a risk-based approach. For example, each accounting cycle chapter starts with a discussion of inherent risk factors that are relevant for the cycle and account balances. The assessment of control risk is then described, followed by discussion of the nature, timing, and extent of evidence necessary to reach the appropriate level of detection risk.

In covering these important concepts and their applications, the book focuses on the decision-making processes followed by auditors. Much of auditing practice involves the use of auditor judgment. If a student understands these basic concepts and how to apply them on an audit engagement, he or she will have developed the knowledge necessary to practice in today's dynamic audit environment.

The book can be used in a one-semester or one-quarter introductory auditing course, or in a two-course sequence at the undergraduate and graduate level. It can also be used in introductory professional development courses for CPAs, internal auditors, and government auditors.

ORGANIZATION

AUDITING: A Systematic Approach is divided into seven parts:

Part	Description	Chapters
One	Introduction to Auditing and Financial Statement Audits	1-2
Two	Basic Auditing Concepts: Materiality, Audit Risk, and Evidence	3-4
Three	Planning the Audit and Understanding Internal Control	5-7
Four	Statistical Tools for Auditing	8-9
Five	Auditing Accounting Applications and Related Accounts	10-17
Six	Completing the Audit and Reporting Responsibilities	18-19
Seven	Professional Responsibilities and Other Forms of Services	20-22

Part One. Introduction to Auditing and Financial Statement Audits

This part of the textbook introduces auditing, attestation, and assurance services, and focuses on financial statement audits. Chapter 1 covers auditing by discussing the demand for auditing services, the types of audit engagements, types of auditors, the public accounting profession, groups that impact the profession, and auditing standards. Chapter 2 provides an overview of financial statement audits. It presents the management assertions contained in financial statements and their relationship to audit objectives, and it covers the three fundamental concepts that underlie the audit process: materiality, audit risk, and evidence. The chapter concludes with a brief overview of audit reporting.

Part Two. Basic Auditing Concepts: Materiality, Audit Risk, and Evidence

Part Two provides detailed coverage of the three basic concepts that underlie the audit process. Chapter 3 presents a discussion of materiality and audit risk and their role in the auditor's decision-making process. The audit risk model is also discussed in this chapter. Chapter 4 provides detailed coverage of the concepts related to evidential matter including coverage of the various types of audit evidence used by auditors and the basics of working paper documentation.

Part Three. Planning the Audit and Understanding Internal Control

Part Three is devoted to audit planning and understanding internal control. Chapter 5 outlines an organized approach to audit planning and covers the different types of audit tests with detailed coverage of analytical procedures. Chapter 6 covers the auditor's consideration of internal control when planning and performing an audit including the basic framework for assessing control risk. Chapter 7 extends the coverage of internal control to include the effect of computer processing on the audit and discusses the tools available to the auditor for auditing in a computerized audit environment.

Part Four. Statistical Tools for Auditing

This part of the book presents the application of statistical and nonstatistical sampling techniques to auditing. Chapter 8 contains an overview of the types of audit sampling, the requirements of auditing standards, and the use of attribute sampling as applied to tests of controls. Chapter 9 applies statistical sampling to testing account balances and mainly focuses on the use of monetary-unit sampling. Classical variable sampling techniques are covered in the appendix to Chapter 9.

Part Five. Auditing Accounting Applications and Related Accounts

Part Five contains a detailed description of the application of the internal control concepts and evidence-gathering procedures to various accounting cycles. Chapters 10-17 present a discussion of inherent risk considerations, the assessment of control risk, and substantive testing for each accounting cycle and its related account balances.

Part Six. Completing the Audit and Reporting Responsibilities

Part six covers the steps followed at the end of the audit and provides expanded coverage of audit reporting. Chapter 18 discusses contingent liabilities, commitments, and subsequent events, and also covers the final evidential evaluation process followed by the auditor. Chapter 19 presents the details of audit reporting and covers a number of special reporting issues.

Part Seven. Professional Responsibilities and Other Forms of Services

Part Seven is devoted to the auditor's professional responsibilities and presents a discussion of other services offered by auditors. Chapter 20 reviews the Code of Professional Conduct and quality control standards. Chapter 21 reviews the legal environment that confronts the auditing profession. Finally, Chapter 22 discusses the attestation standards and presents detailed coverage of accounting and review services.

DISTINGUISHING FEATURES OF THIS TEXT

AUDITING: A Systematic Approach has a number of important features:

- The text takes a systematic approach to the audit process by building on the basic auditing concepts of materiality, audit risk, and evidential matter.
- The text follows a risk-based approach to auditing with materiality and audit risk presented in a manner that is consistent with auditing standards.

- A cycles approach is followed with the components of the audit risk model addressed in each cycle chapter.
- The discussion of internal control in each accounting cycle assumes some level of computerization. As a result, the effect of computer processing on the audit is introduced immediately after, and as an extension of, the consideration of internal control. The use of EDP audit techniques is presented as a part of the discussion of auditing each accounting cycle and account balance.
- An overview of sampling is presented at the beginning of Chapter 8 and provides the student with a frame of reference for studying statistical and nonstatistical sampling techniques. The two chapters on sampling also present the use of microcomputer software for statistical sampling applications.
- The end-of-chapter materials contain review questions, multiple-choice questions from CPA examinations, and problems. The review questions provide a quick way for students to test their knowledge of the learning objectives for each chapter. The multiple-choice questions provide a sound basis for testing the chapter material included on the CPA examination. The problems are drawn from the CPA and CIA examinations and from problems developed by the author.
- Most chapters also contain discussion cases. Many of these cases were developed from real-world examples and require the student to research the answer using various information sources. For example, one case in Chapter 2 asks the student to compare the U.S. audit report with the audit reports of BMW (Germany), Solvay (Belgium), and Sandoz (Switzerland). This discussion case points out the differences that exist between countries in public reporting by independent auditors.
- The text can easily incorporate the use of the Simulated Case for Audit Decision-Making (SCAD).

INTEGRATED CASE

The book contains an integrated case company, **Calabro Paging Services**, that is introduced in Chapter 2. This case is based on a real-world company and is used to demonstrate important auditing concepts throughout the book.

SUPPLEMENTS

The **Instructor's Guide** includes the author's suggestions on an approach to teaching the material in each chapter, an outline of the topics, and other instructional aids. The *Instructor's Guide* is supplemented with **Power-**

Point slides for each chapter. This allows the instructor to use the PowerPoint presentation in the classroom or use the slides as overheads.

The **Solutions Manual** contains thorough and up-to-date solutions to the book's end-of-chapter materials. The **Test Bank** includes additional multiple-choice questions adapted from professional examinations. All test questions are available in a computerized format for IBM DOS, IBM Windows, and Mac systems. Professors may use this software to create, edit, and print a variety of tests.

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William F. Messier, Jr.

CONTENTS

PREFACE

xix

Part One Introduction to Auditing and Financial Statement Audits **1**

1 AN INTRODUCTION TO AUDITING **3**

Learning Objectives	3
Relevant Accounting and Auditing Pronouncements	3
The Demand for Auditing	3
Auditing, Attestation, and Assurance	5
Types of Audits	8
Types of Auditors	11
The Public Accounting Profession	14
Organizations That Affect Financial Audits	20
Generally Accepted Auditing Standards	24
Statements on Auditing Standards	27
Review Questions	28
Multiple-Choice Questions from CPA Examinations	28
Problems	31
Discussion Cases	34

2 AN OVERVIEW OF FINANCIAL STATEMENT AUDITS **36**

Learning Objectives	36
Relevant Accounting and Auditing Pronouncements	36
Generally Accepted Accounting Principles as an Audit Criterion	37
Financial Statements: Management Assertions and Audit Objectives	38
Three Fundamental Concepts in Conducting an Audit	40
Sampling: Inferences Based on Limited Observations	42
Ethics and Independence	43

ix

Overview of the Audit Process	45
Audit Reporting	48
Case Illustration: Calabro Paging Services	54
Review Questions	62
Multiple-Choice Questions from CPA Examinations	62
Problems	65
Discussion Cases	67

Part Two Basic Auditing Concepts: Materiality, Audit Risk, and Evidence 71

3 MATERIALITY AND AUDIT RISK 73

Learning Objectives	73
Relevant Accounting and Auditing Pronouncements	73
Materiality	74
Audit Risk	84
Appendix: A Quantitative Approach to Allocating Materiality	96
Review Questions	98
Multiple-Choice Questions from CPA Examinations	98
Problems	100
Discussion Case	104

4 EVIDENTIAL MATTER, TYPES OF AUDIT EVIDENCE, AND WORKPAPER DOCUMENTATION 106

Learning Objectives	106
Relevant Accounting and Auditing Pronouncements	106
The Relationship of Evidential Matter to the Audit Report	107
Management Assertions	108
Audit Objectives and Audit Procedures	111
Basic Concepts of Evidential Matter	114
Types of Audit Evidence	117
Working Papers	123
Review Questions	131
Multiple-Choice Questions from CPA Examinations	131
Problems	133
Discussion Case	137
SCAD Assignment	138

Part Three	Planning the Audit and Understanding Internal Control	139
5	AUDIT PLANNING AND TYPES OF AUDIT TESTS	141
	Learning Objectives	141
	Relevant Accounting and Auditing Pronouncements	141
	Preengagement Activities	142
	Engagement Planning	149
	Types of Audit Tests	159
	Analytical Procedures	161
	Appendix: Selected Financial Ratios Useful as Analytical Procedures	169
	Review Questions	173
	Multiple-Choice Questions from CPA Examinations	174
	Problems	177
	Discussion Cases	181
	SCAD Assignment	185
6	INTERNAL CONTROL IN A FINANCIAL STATEMENT AUDIT	186
	Learning Objectives	186
	Relevant Accounting and Auditing Pronouncements	186
	Internal Control	187
	The Components of Internal Control	188
	Consideration of Internal Control in Planning and Performing an Audit	197
	Timing of Audit Procedures	212
	Communication of Internal Control-Related Matters	214
	Appendix: Flowcharting Techniques	216
	Review Questions	217
	Multiple-Choice Questions from CPA Examinations	219
	Problems	222
	Discussion Case	224
	SCAD Assignment	225
7	THE EFFECT OF COMPUTER PROCESSING ON THE AUDIT FUNCTION	226
	Learning Objectives	226
	Relevant Accounting and Auditing Pronouncements	226
	Changes in Computer Technology and Their Effect on Auditing	227

The Effect of EDP on Internal Control	231
Controls in an EDP Environment	233
The Complexity of EDP Systems	244
The Audit Process in an EDP Environment	245
Computer-Assisted Audit Techniques	247
Use of Microcomputers as an Audit Tool	255
Auditing Accounting Applications Processed by Outside Service Organizations	257
Review Questions	258
Multiple-Choice Questions from CPA Examinations	259
Problems	262
Discussion Case	267

Part Four Statistical Tools for Auditing 271

8 AUDIT SAMPLING: AN OVERVIEW AND APPLICATION TO TESTS OF CONTROLS 271

Learning Objectives	271
Relevant Accounting and Auditing Pronouncements	271
Introduction	271
Terminology	273
Types of Audit Sampling	275
Requirements of SAS No. 39	276
Attribute Sampling Applied to Tests of Controls	278
An Example of an Attribute-Sampling Plan	287
Nonstatistical Sampling for Tests of Control	298
Review Questions	300
Multiple-Choice Questions from CPA Examinations	301
Problems	304
Discussion Case	306
SCAD Assignment	306

9 AUDIT SAMPLING: AN APPLICATION TO SUBSTANTIVE TESTS OF ACCOUNT BALANCES 307

Learning Objectives	307
Relevant Accounting and Auditing Pronouncements	307
A Sampling Plan for Substantive Tests of Account Balances	308
Monetary-Unit Sampling	314
Nonstatistical Sampling for Tests of Account Balances	324
Appendix: Classical Variables Sampling	329

Review Questions	334
Multiple-Choice Questions from CPA Examinations	335
Problems	338
Discussion Case	341

Part Five Auditing Accounting Applications and Related Accounts 345

10 AUDITING THE REVENUE CYCLE 345

Learning Objectives	345
Relevant Accounting and Auditing Pronouncements	345
Revenue Recognition	346
Inherent Risk Assessment	347
Overview of the Revenue Cycle	350
Control Risk Assessment	361
Control Procedures and Tests of Controls—Revenue Transactions	363
Control Procedures and Tests of Controls—Cash Receipts Transactions	370
Control Procedures and Tests of Controls—Sales Returns and Allowances Transactions	375
Relating the Assessed Level of Control Risk to Substantive Testing	376
Review Questions	376
Multiple-Choice Questions from CPA Examinations	377
Problems	380
Discussion Case	385
SCAD Assignment	386

11 AUDITING ACCOUNTS RECEIVABLE AND RELATED ACCOUNTS 387

Learning Objectives	387
Relevant Accounting and Auditing Pronouncements	387
Substantive Tests of Revenue-Related Accounts	388
Substantive Tests of Transactions	389
Analytical Procedures	390
Tests of Account Balances—Accounts Receivable	390
The Confirmation Process—Accounts Receivable	399
Auditing Other Receivables	405
Evaluating the Audit Findings—Accounts Receivable and Related Accounts	406
Review Questions	407
Multiple-Choice Questions from CPA Examinations	408
Problems	410

Discussion Cases	414
SCAD Assignment	415
12 AUDITING THE PURCHASING CYCLE AND RELATED ACCOUNTS	416
Learning Objectives	416
Relevant Accounting and Auditing Pronouncements	416
Expense and Liability Recognition	417
Inherent Risk Assessment	418
Overview of the Purchasing Cycle	420
Control Risk Assessment	428
Control Procedures and Tests of Controls—Purchase Transactions	432
Control Procedures and Tests of Controls—Cash Disbursement Transactions	437
Control Procedures and Tests of Controls—Purchase Return Transactions	441
Relating the Assessed Level of Control Risk to Substantive Testing	442
Auditing Accounts Payable and Accrued Expenses	442
Substantive Tests of Transactions	443
Analytical Procedures	443
Tests of Account Balances—Accounts Payable and Accrued Expenses	445
Accounts Payable Confirmations	450
Evaluating the Audit Findings—Accounts Payable and Related Accounts	451
Review Questions	453
Multiple-Choice Questions from CPA Examinations	454
Problems	456
Discussion Case	461
13 AUDITING THE PAYROLL CYCLE AND RELATED ACCOUNTS	462
Learning Objectives	462
Relevant Accounting and Auditing Pronouncements	462
Inherent Risk Assessment	463
Overview of the Payroll Cycle	463
Control Risk Assessment	469
Control Procedures and Tests of Controls—Payroll Transactions	471
Relating the Assessed Level of Control Risk to Substantive Testing	475
Auditing Payroll-Related Accounts	475
Substantive Tests of Transactions	476
Analytical Procedures	476
Tests of Account Balances	478
Evaluating the Audit Findings—Payroll-Related Accounts	482
Review Questions	482
Multiple-Choice Questions from CPA Examinations	483

Problems	485
Discussion Case	490
14 AUDITING THE INVENTORY CYCLE AND RELATED ACCOUNTS	491
Learning Objectives	491
Relevant Accounting and Auditing Pronouncements	491
Inherent Risk Assessment	492
Overview of the Inventory Cycle	494
Control Risk Assessment	501
Control Procedures and Tests of Controls—Inventory Transactions	503
Auditing Inventory	507
Substantive Tests of Transactions	507
Analytical Procedures	508
Auditing Standard Costs	509
Observation of Physical Inventory	510
Tests of Account Balances	511
Evaluating the Audit Findings—Inventory	515
Review Questions	516
Multiple-Choice Questions from CPA Examinations	516
Problems	519
Discussion Case	523
15 AUDITING SELECTED ASSET ACCOUNTS: PREPAID EXPENSES AND PROPERTY, PLANT, AND EQUIPMENT	525
Learning Objectives	525
Relevant Accounting and Auditing Pronouncements	525
Auditing Prepaid Expenses	526
Inherent Risk Assessment—Prepaid Expenses	527
Control Risk Assessment—Prepaid Expenses	527
Substantive Testing—Prepaid Insurance	527
Auditing Property, Plant, and Equipment	530
Inherent Risk Assessment—Property, Plant, and Equipment	531
Control Risk Assessment—Property, Plant, and Equipment	533
Substantive Testing—Property, Plant, and Equipment	535
Analytical Procedures—Property, Plant, and Equipment	535
Tests of Account Balances—Property, Plant, and Equipment	537
Review Questions	541
Multiple-Choice Questions from CPA Examinations	542
Problems	544
Discussion Case	547